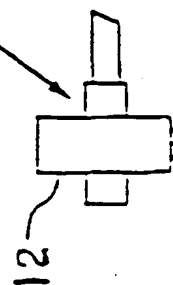


STIRRER (OPTIONAL)



REACTION
VESSEL
10

14

THERMOSTATED
ALUMINUM BLOCK

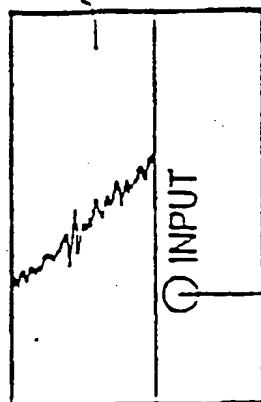
MAGNETOSENSITIVE
REGION OF HALL
EFFECT PROBE 16

18

MAGNETOMETER
CONTROL
BOX
INPUT OUTPUT

CHART
RECORDER

20



TO AUXILIARY DEVICES
(FFT ANALYZER,
MAGNETIC STORAGE)

INSTRUMENTATION, BLOCK DIAGRAM

FIG.1a

11 116

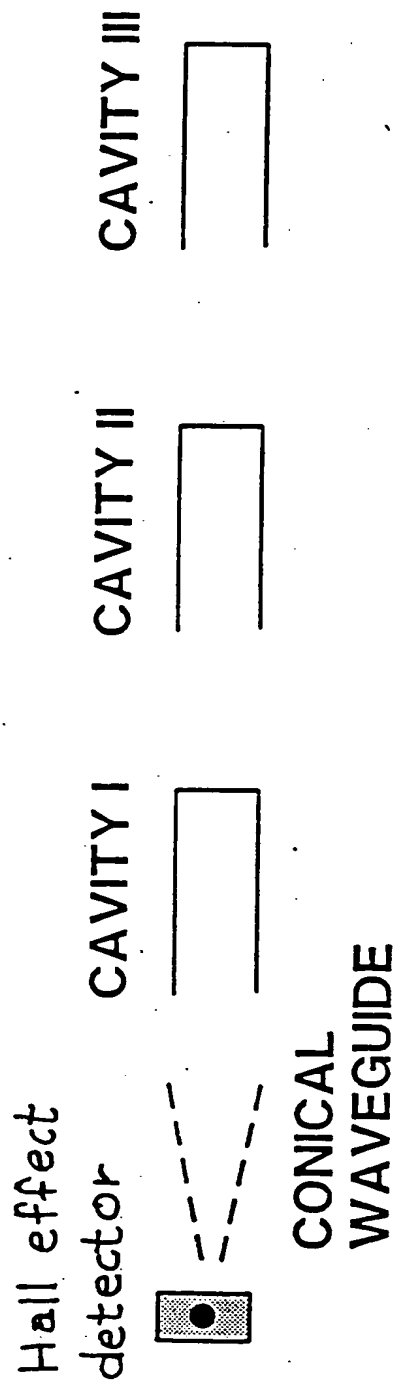


FIG. 1b

1c/35c

000270 98926460

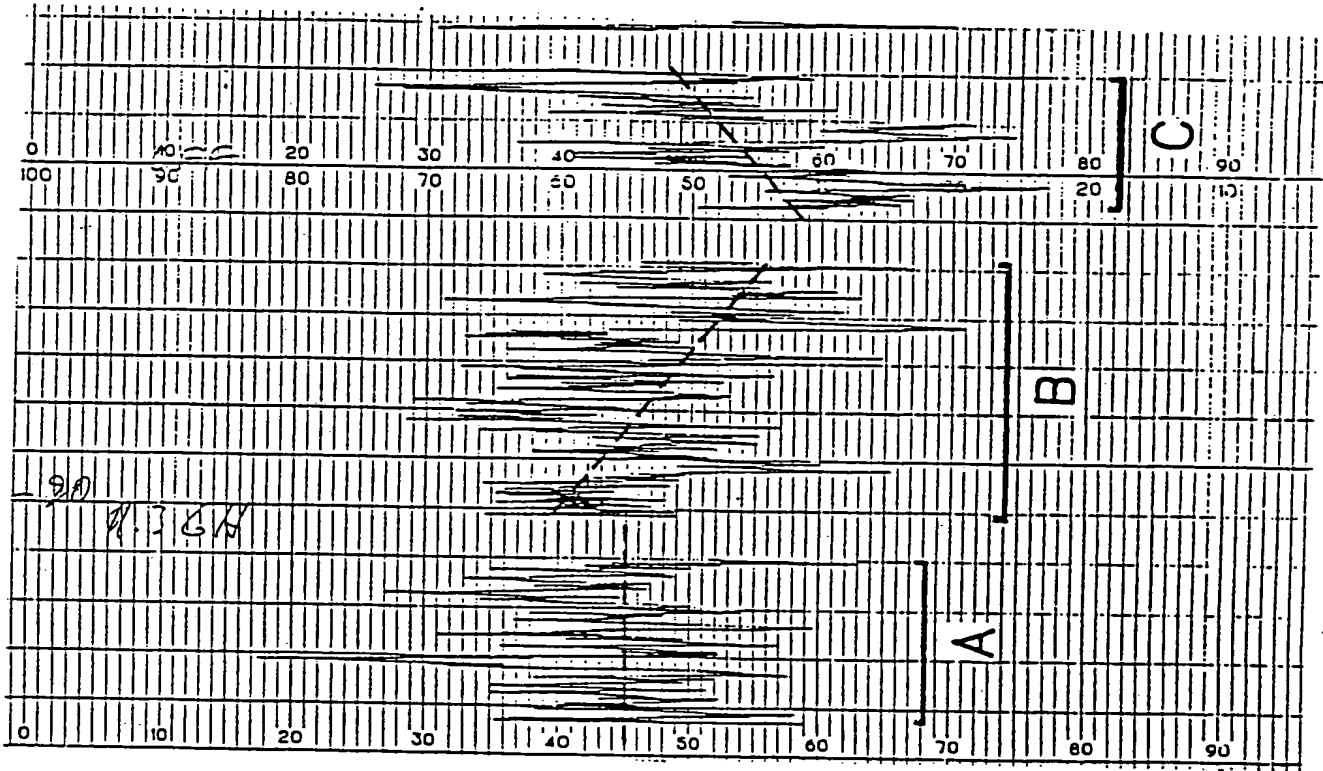


Fig. 1c

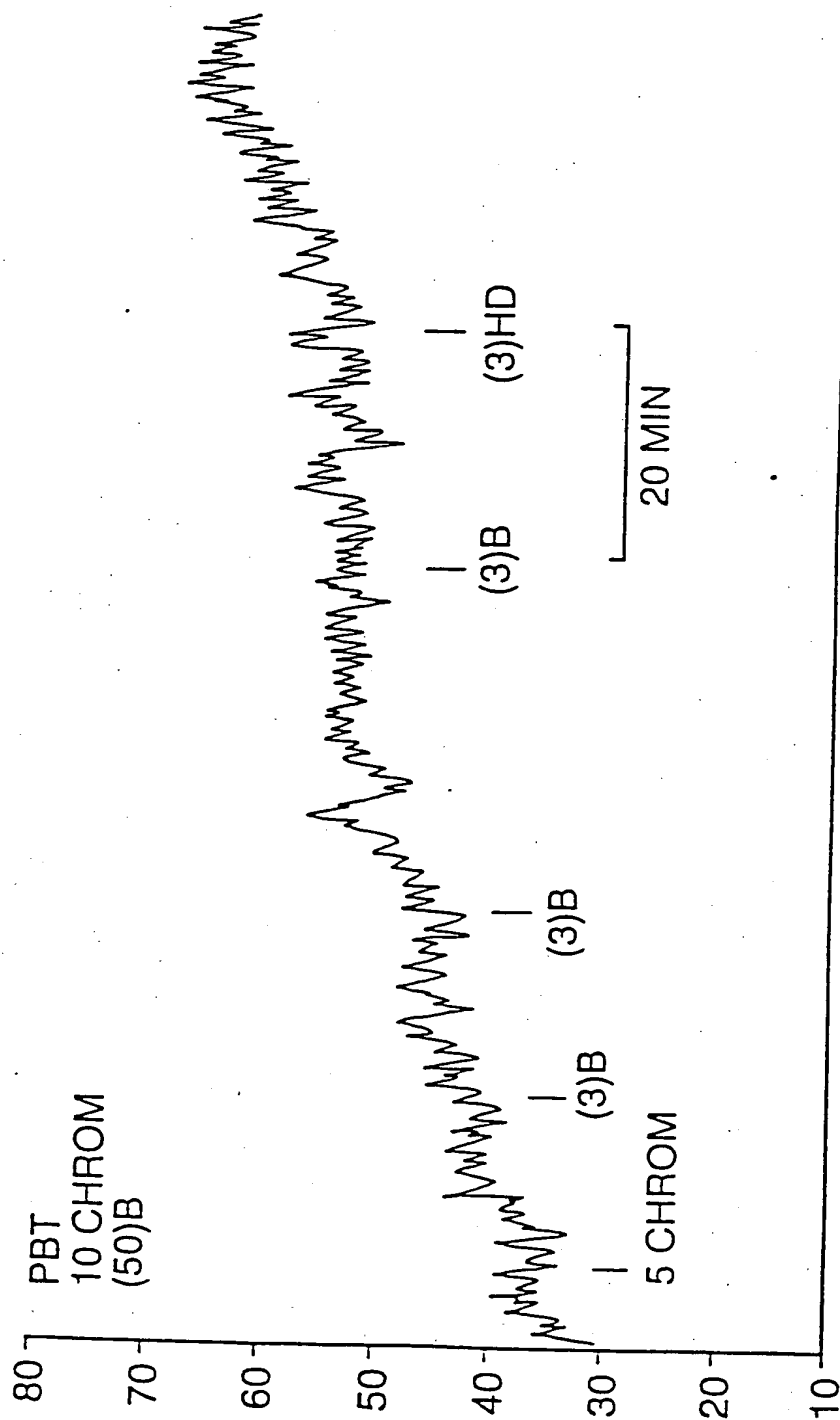


FIG.2.

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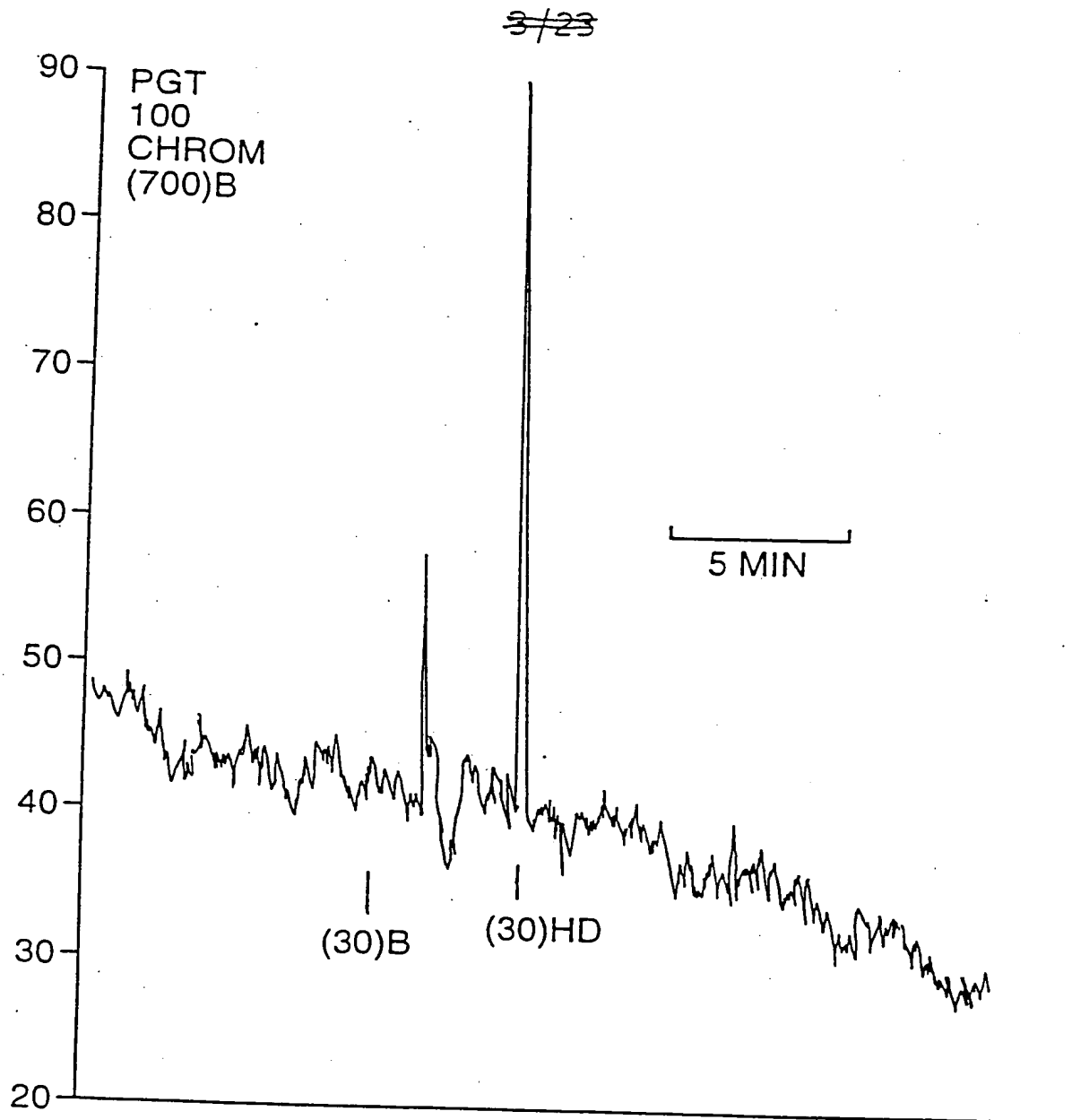


FIG.3.

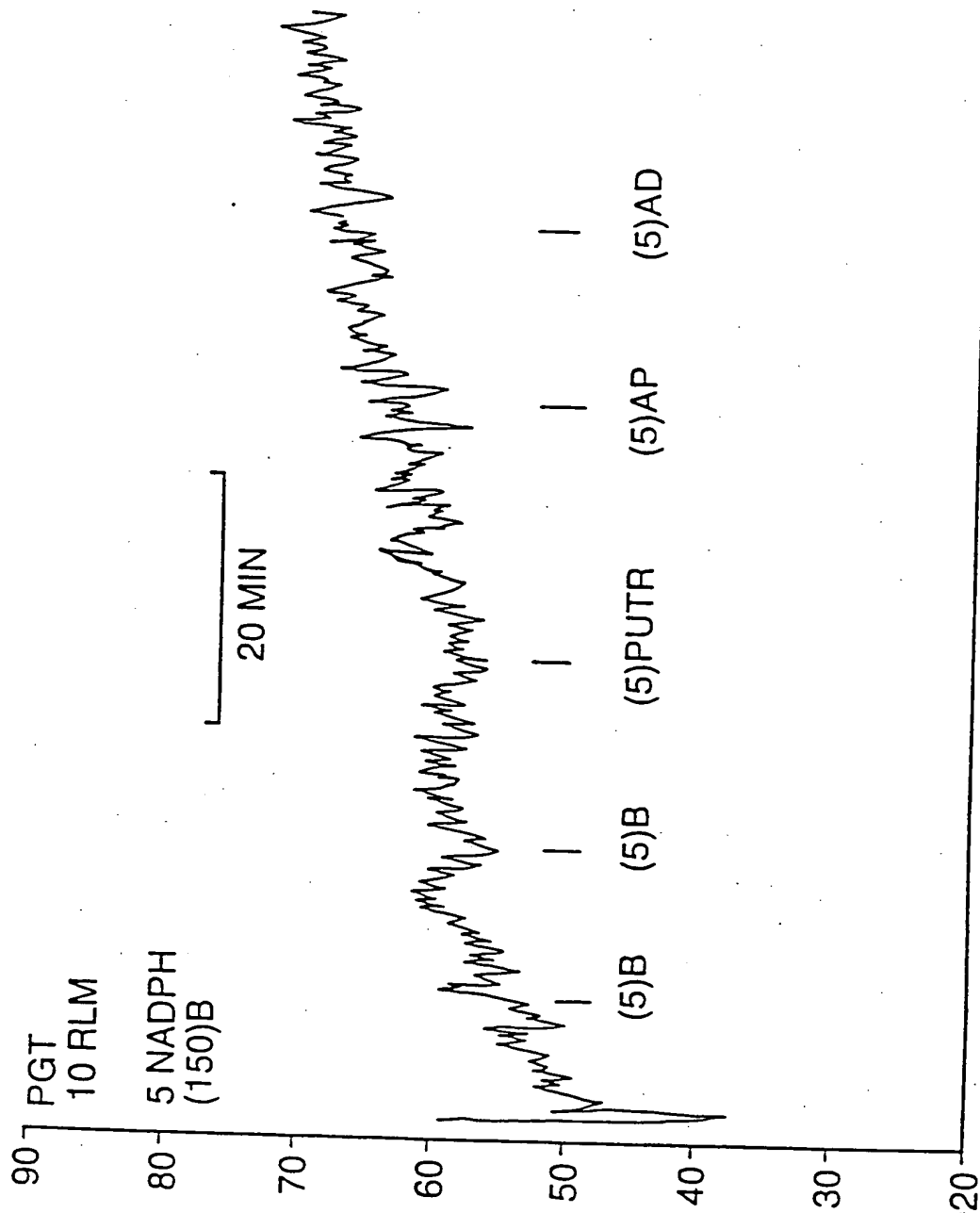


FIG.4.

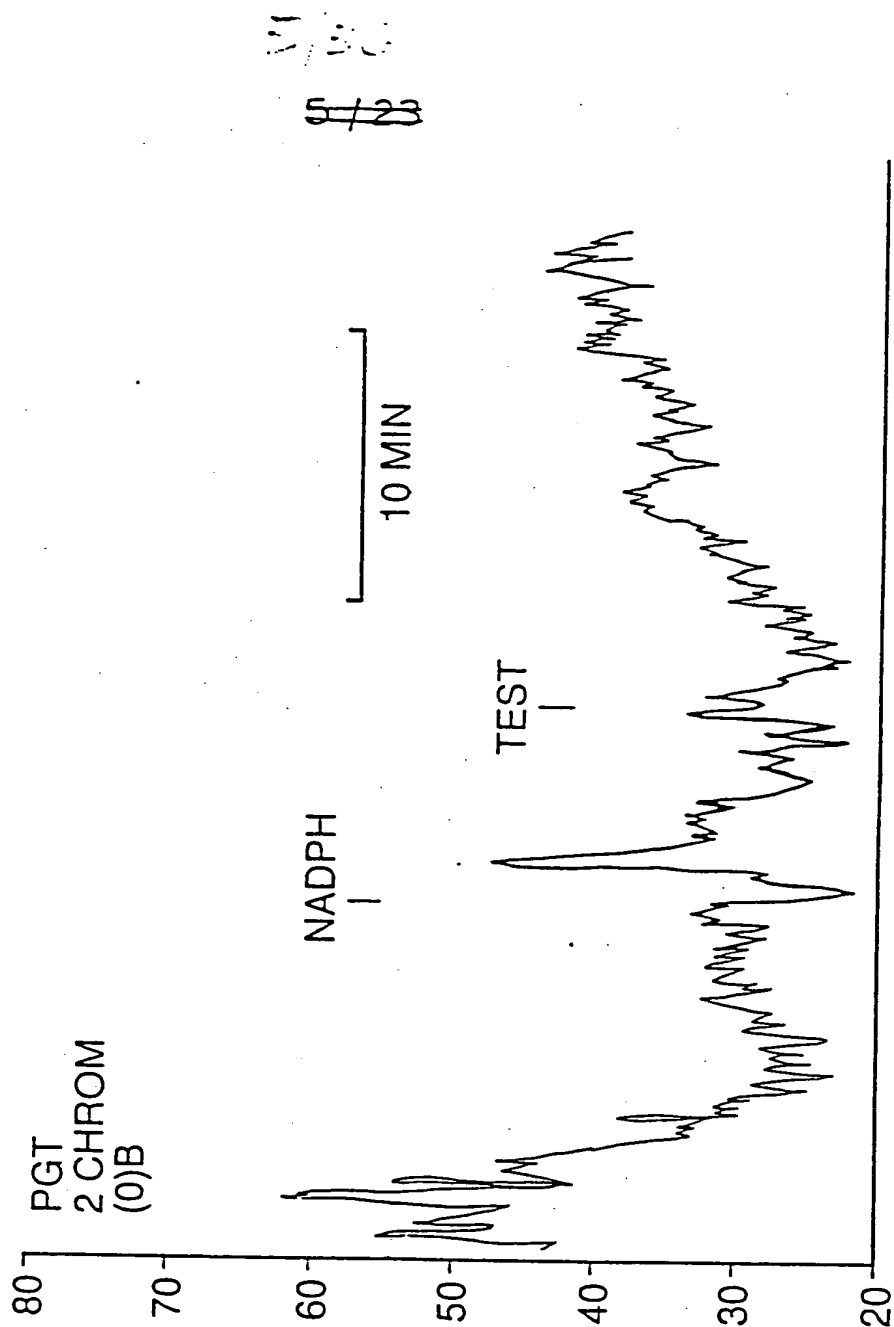


FIG.5.

000270-9996460

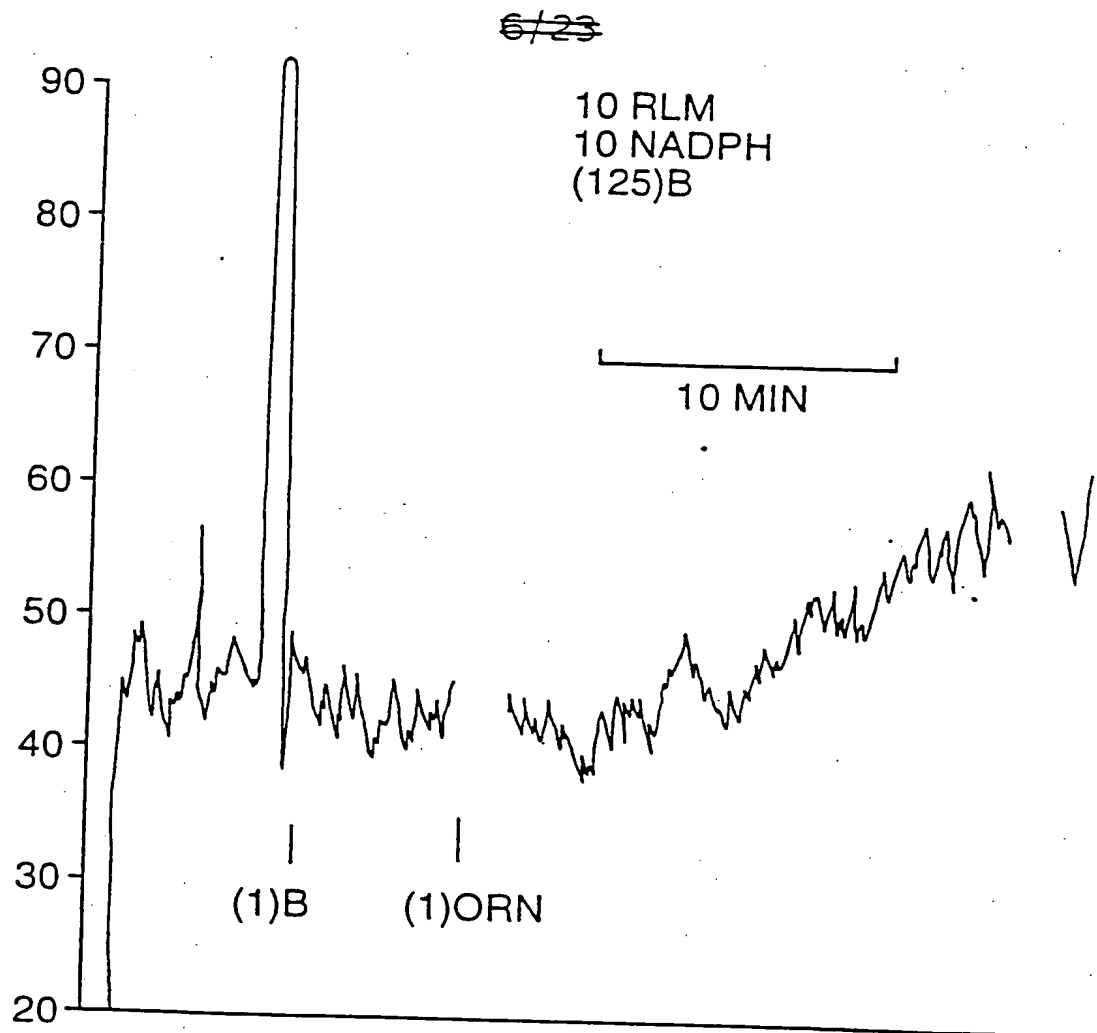


FIG.6.

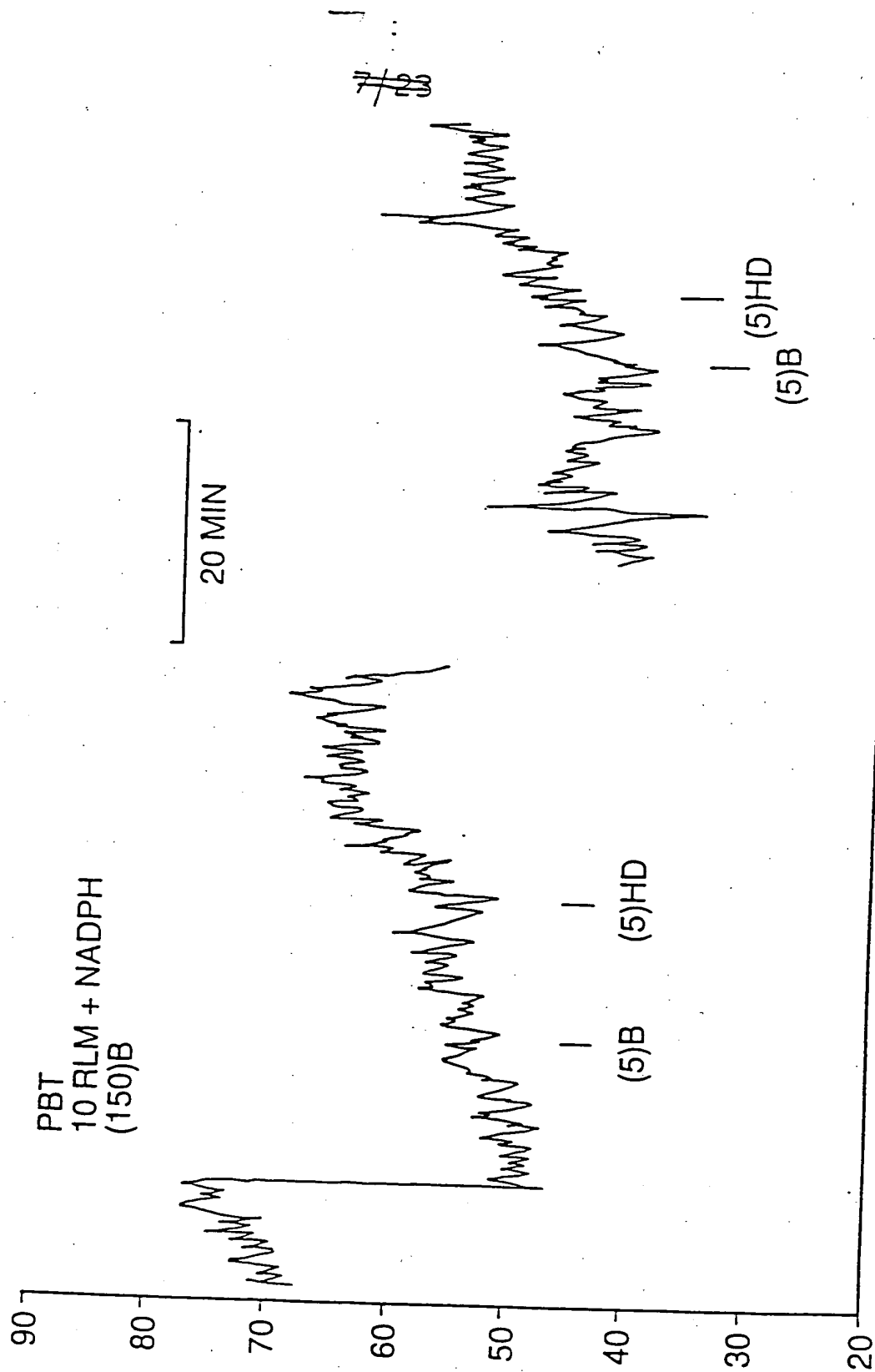


FIG.7.

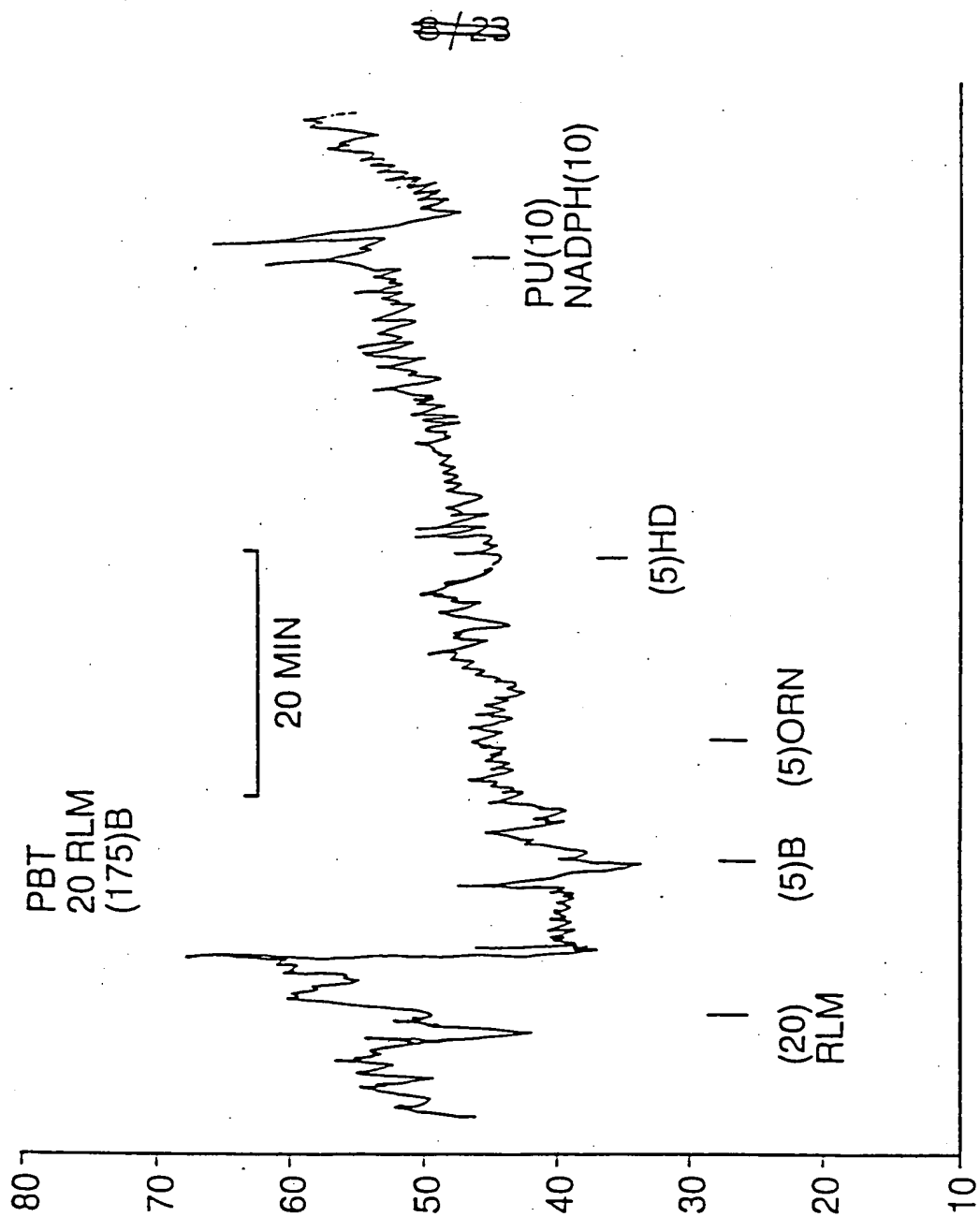


FIG.8.

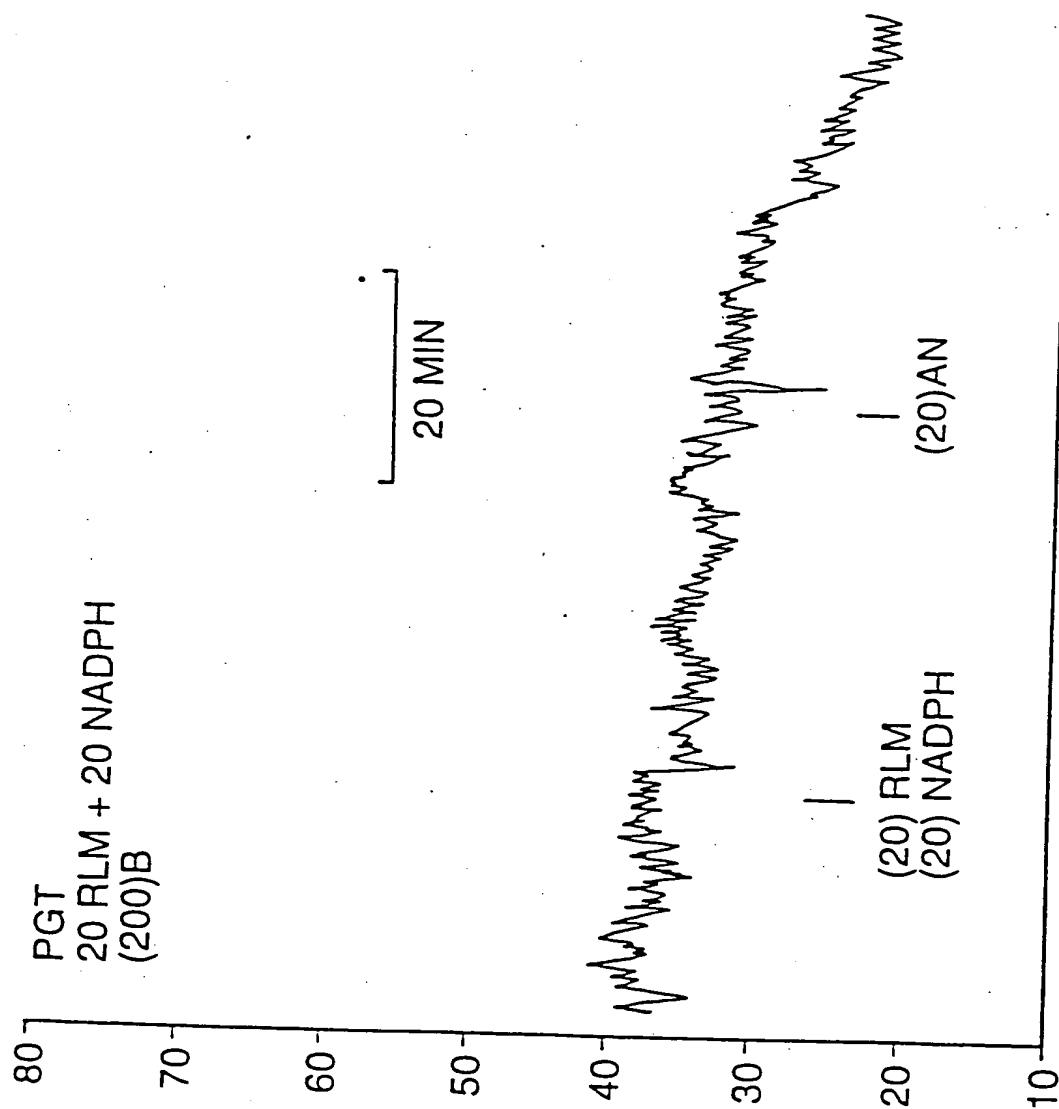


FIG.9.

9/23

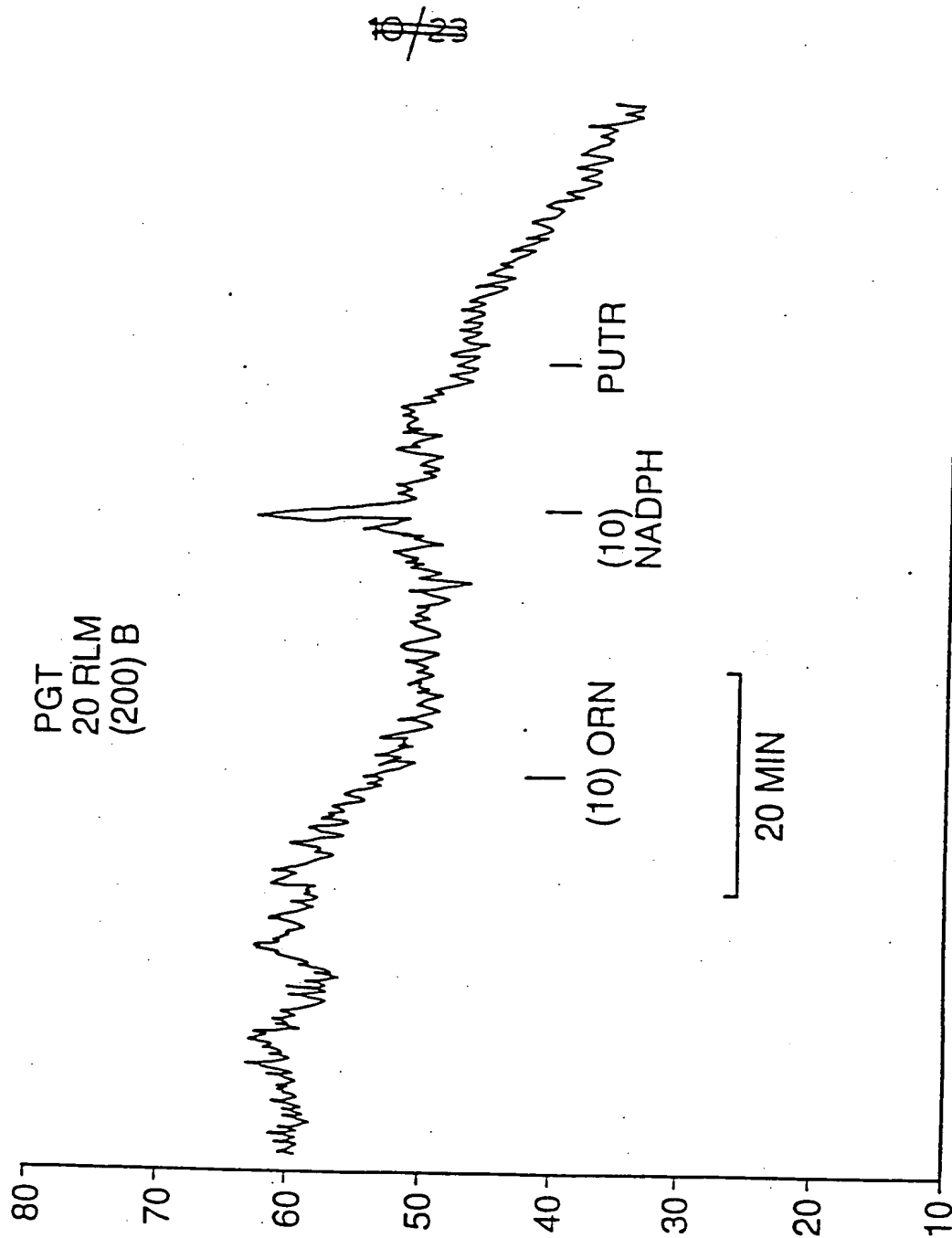


FIG.10.

003210-98965460

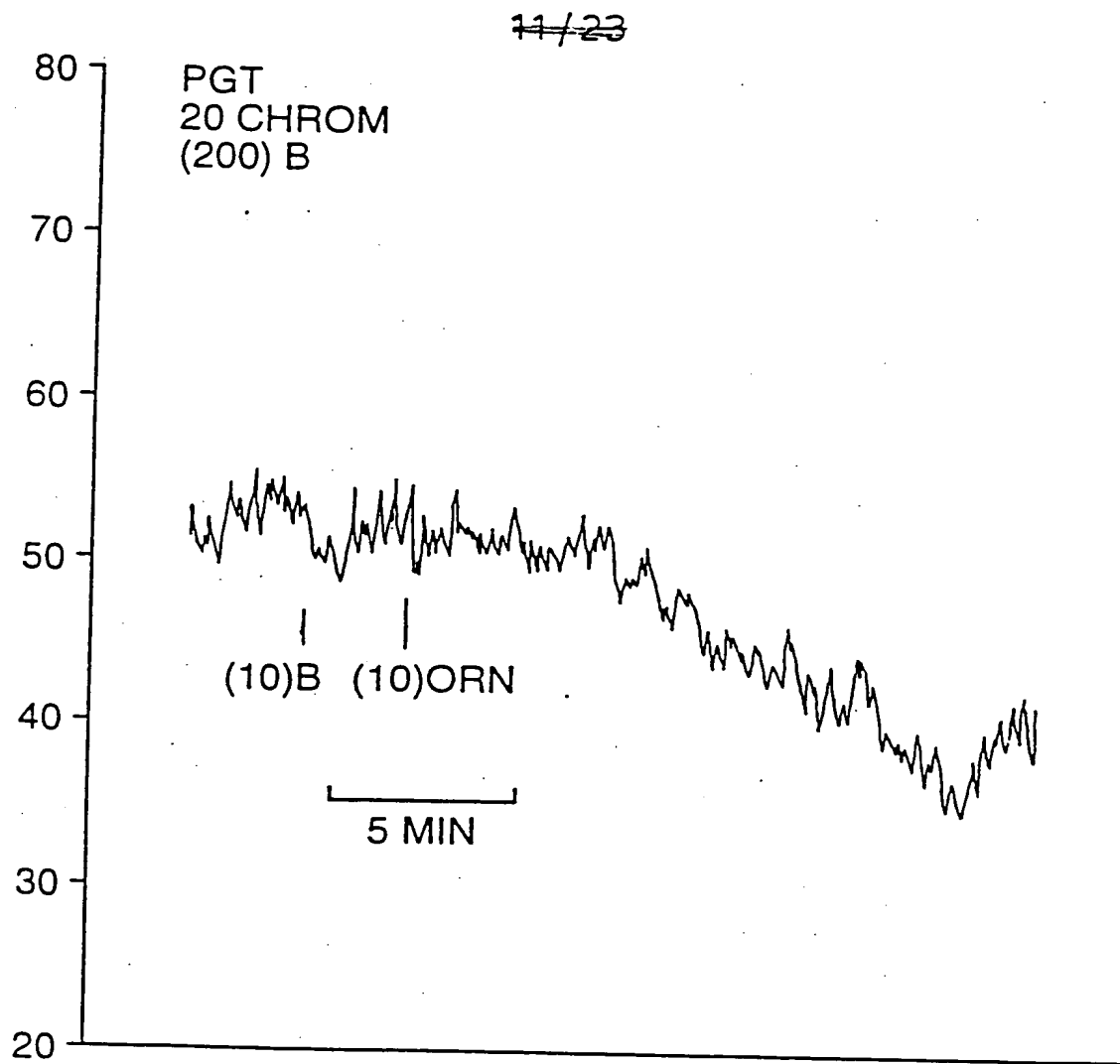


FIG.11.

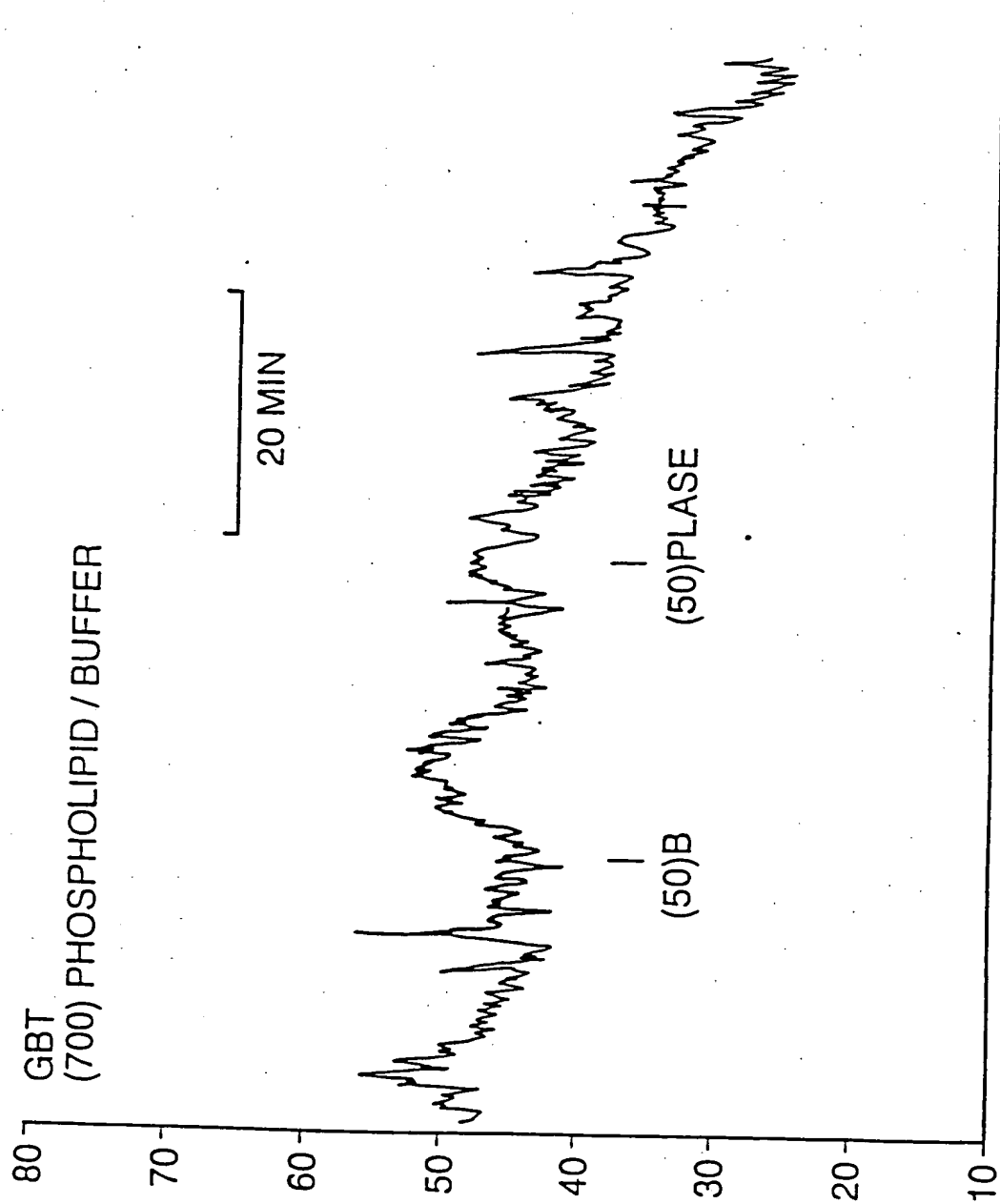


FIG.12.

008210" 98965160

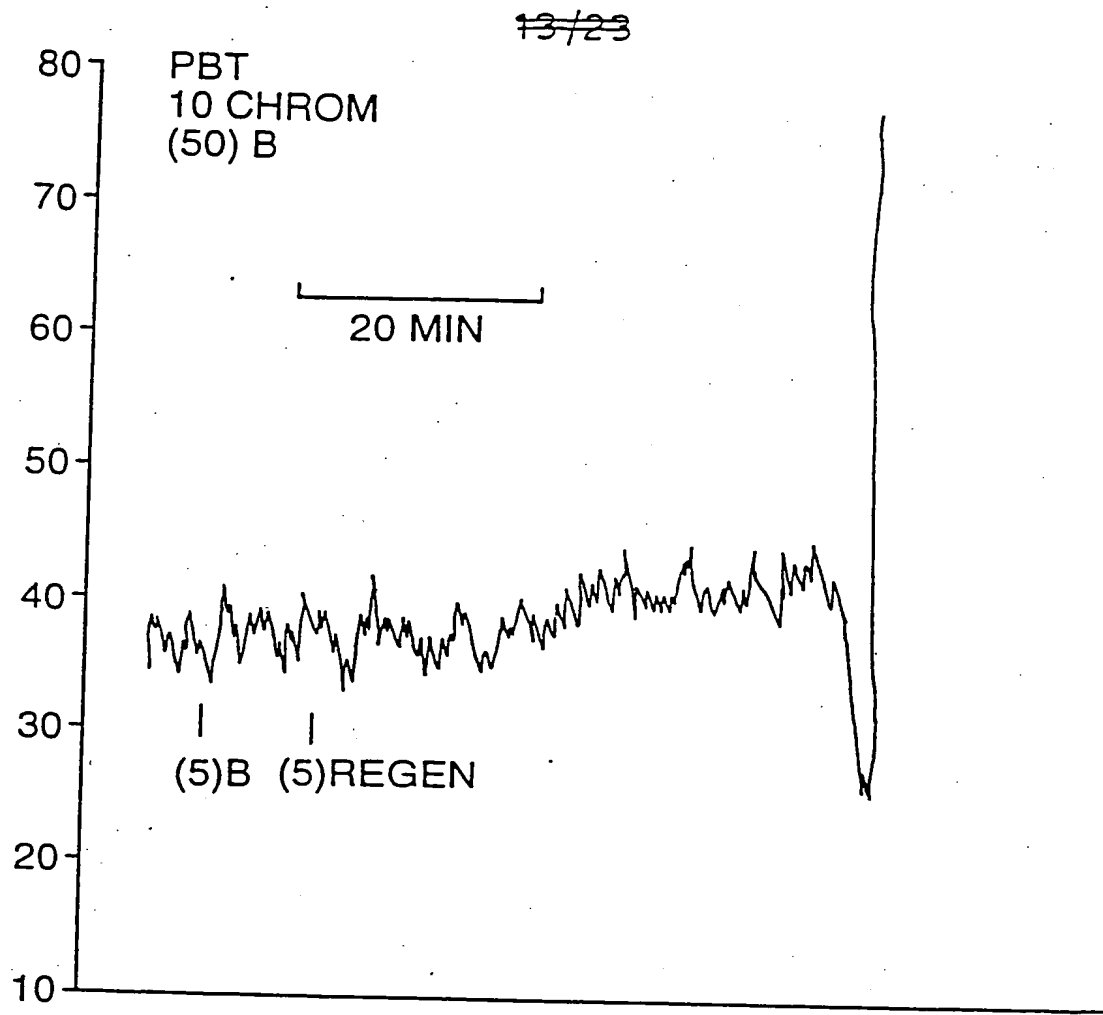


FIG.13.

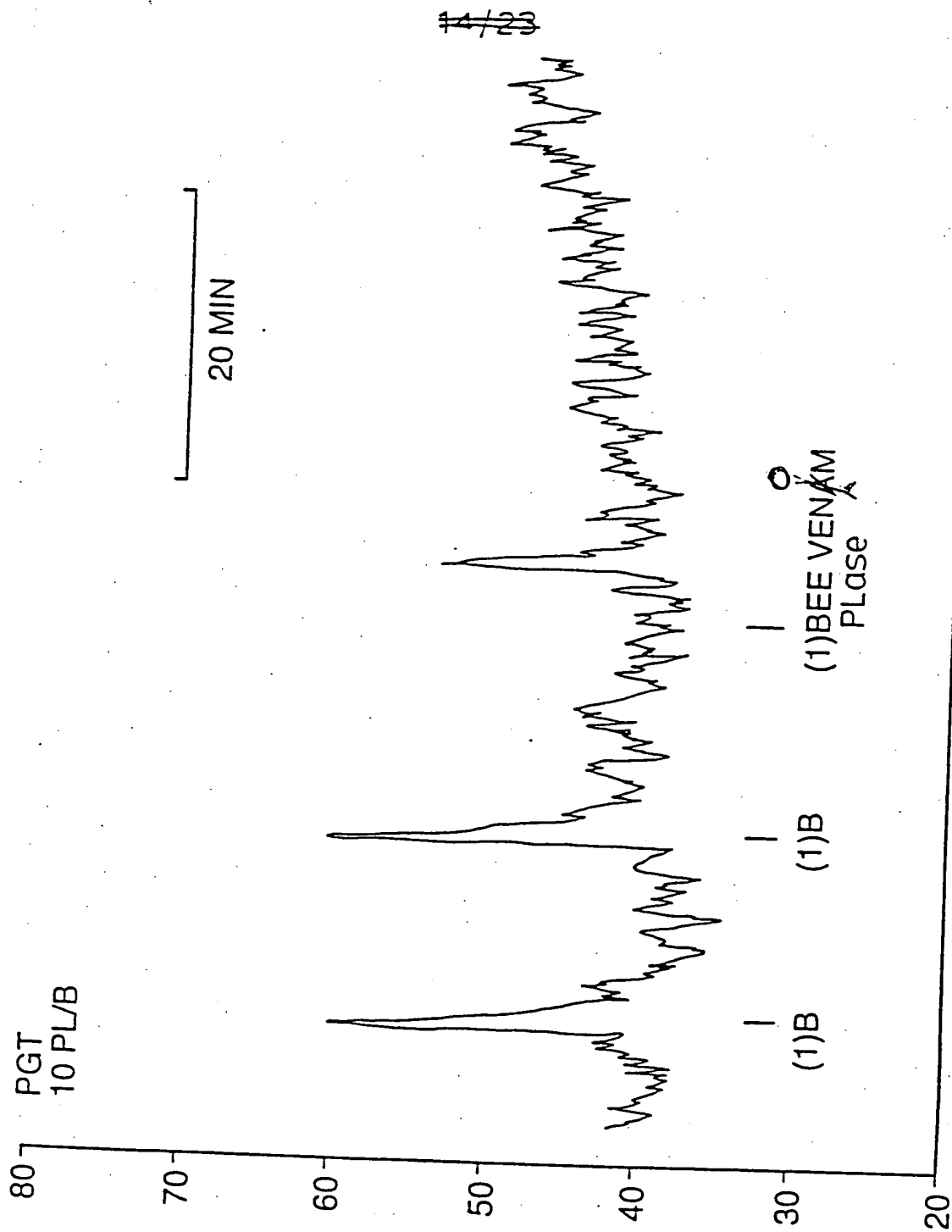


FIG.14.

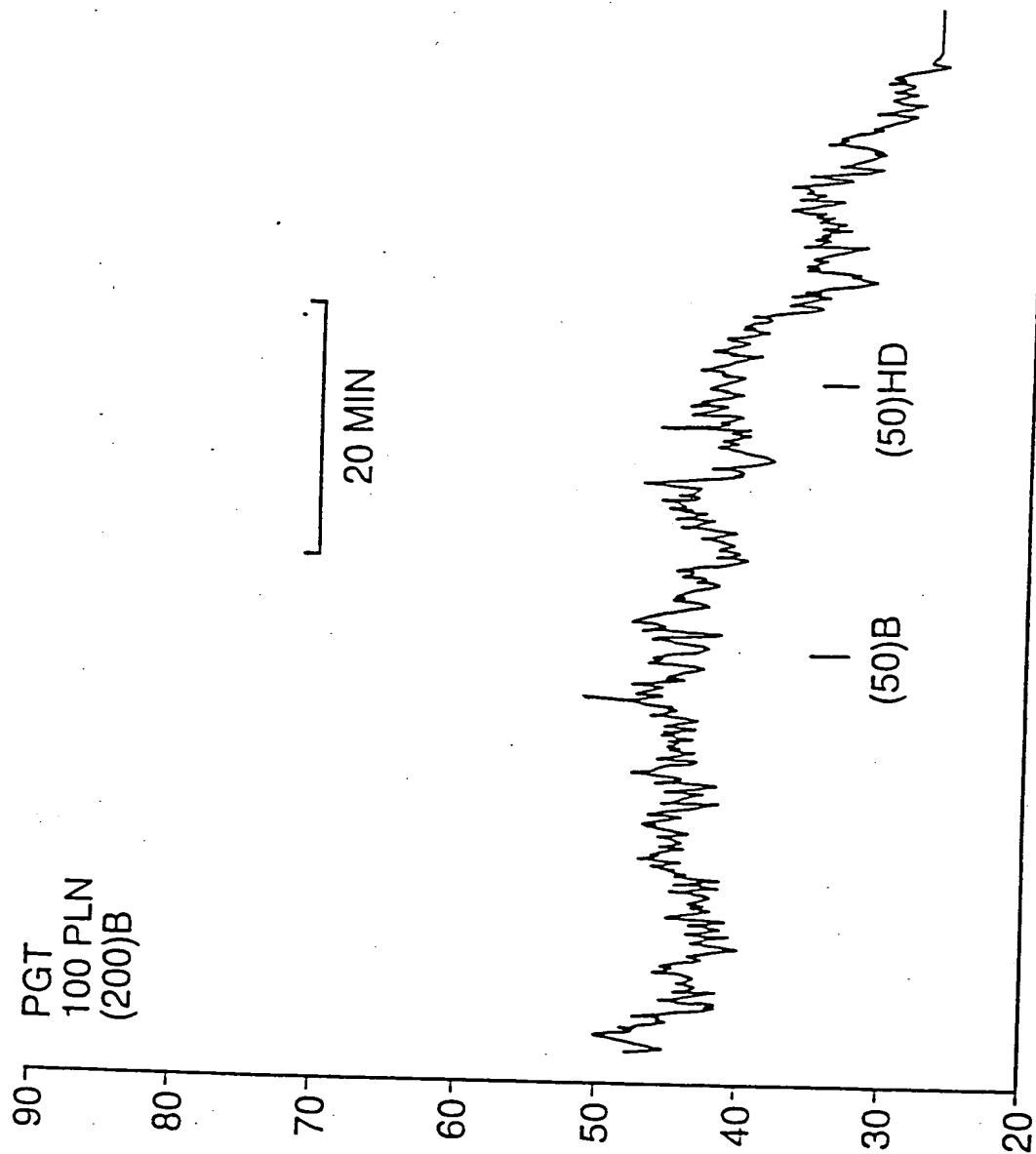


FIG.15.

#6/23

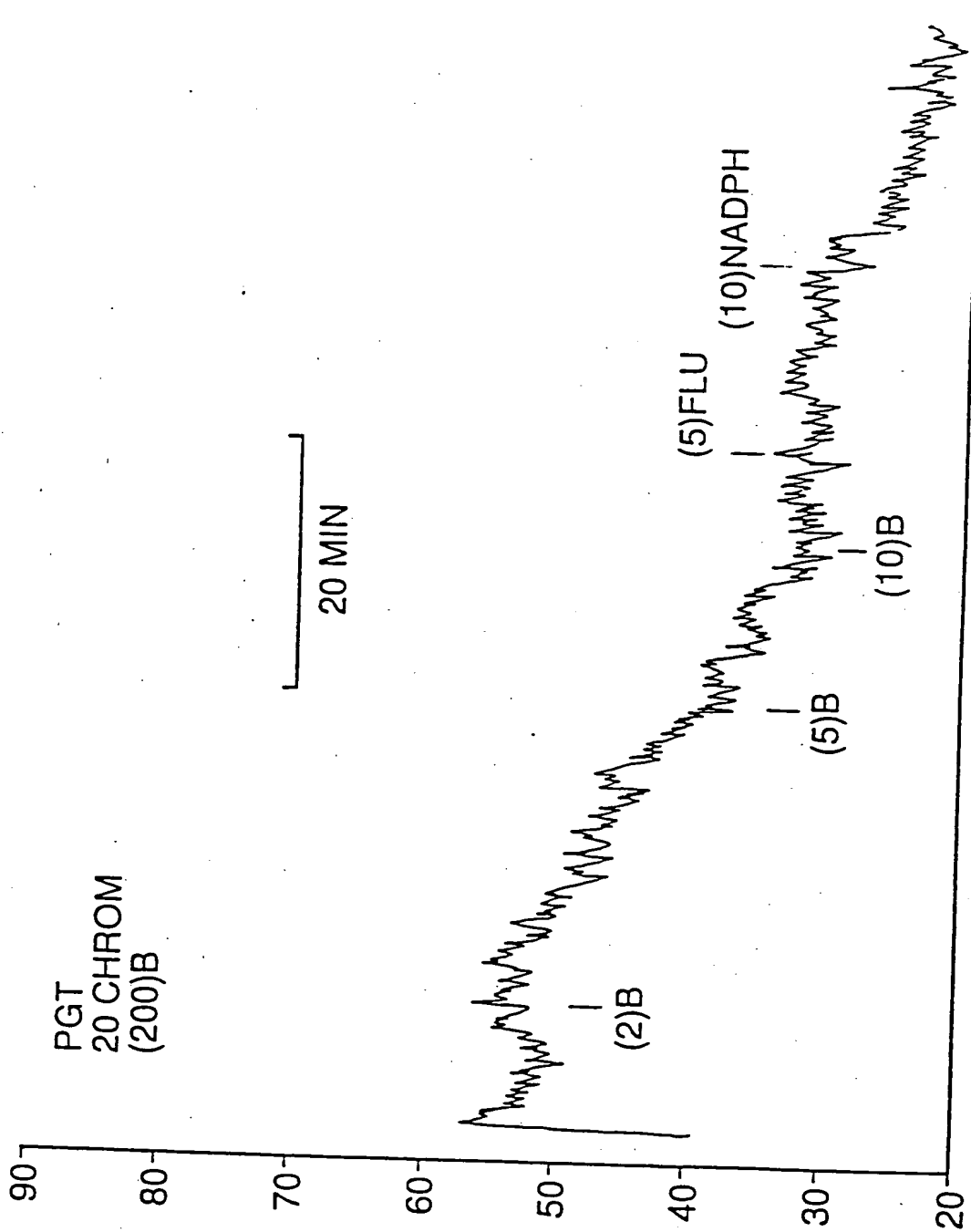


FIG.16.

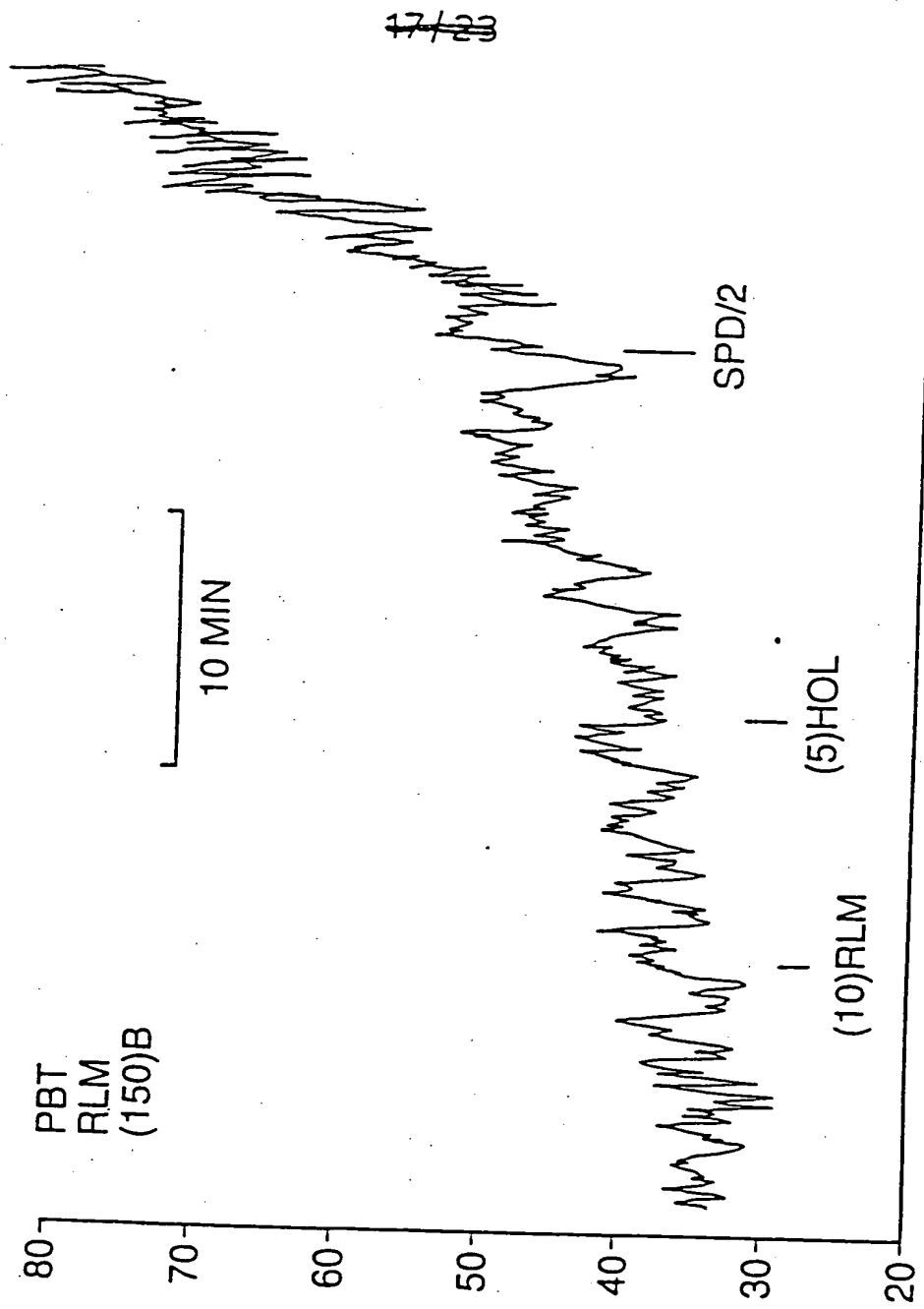


FIG.17.

008210" 989E6460

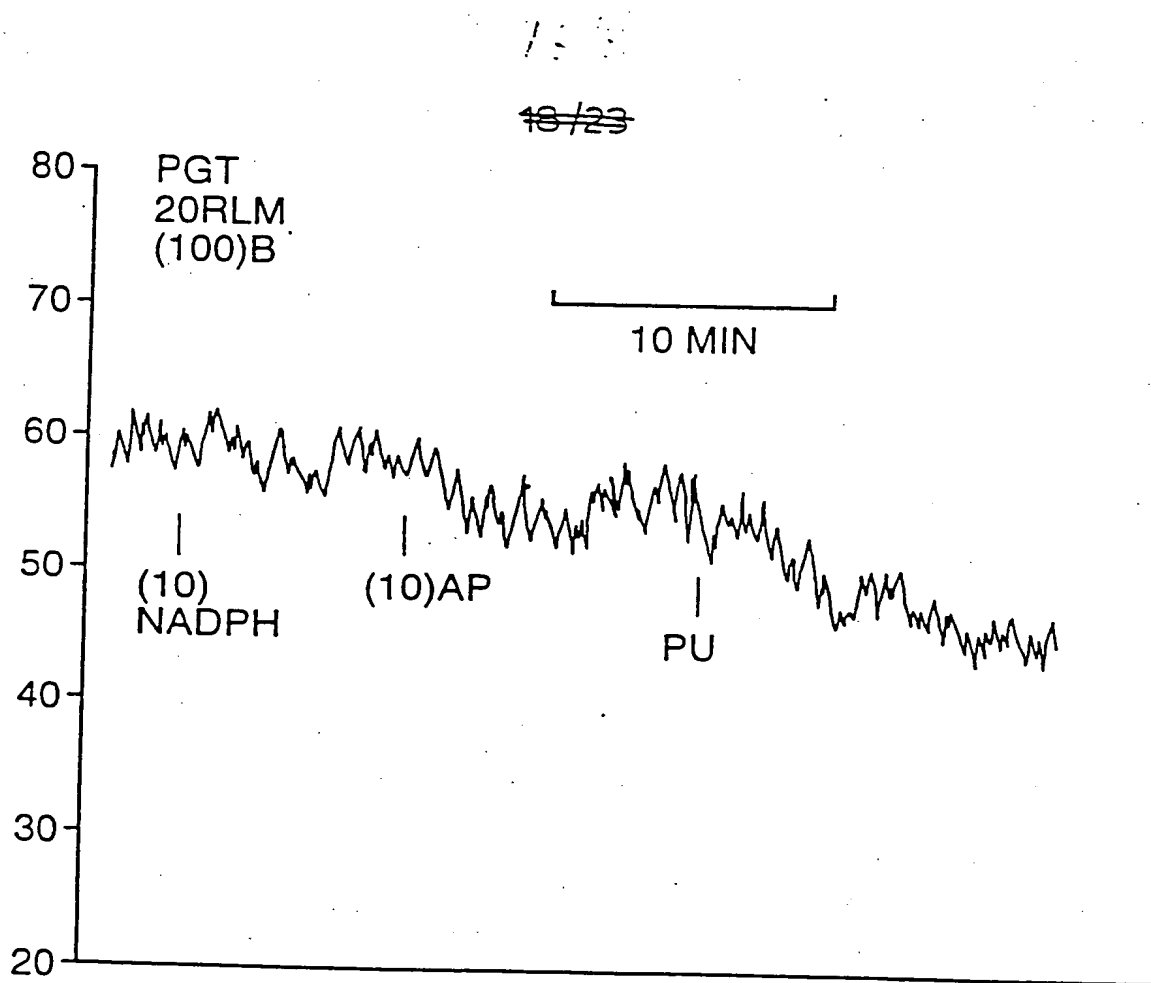


FIG.18.

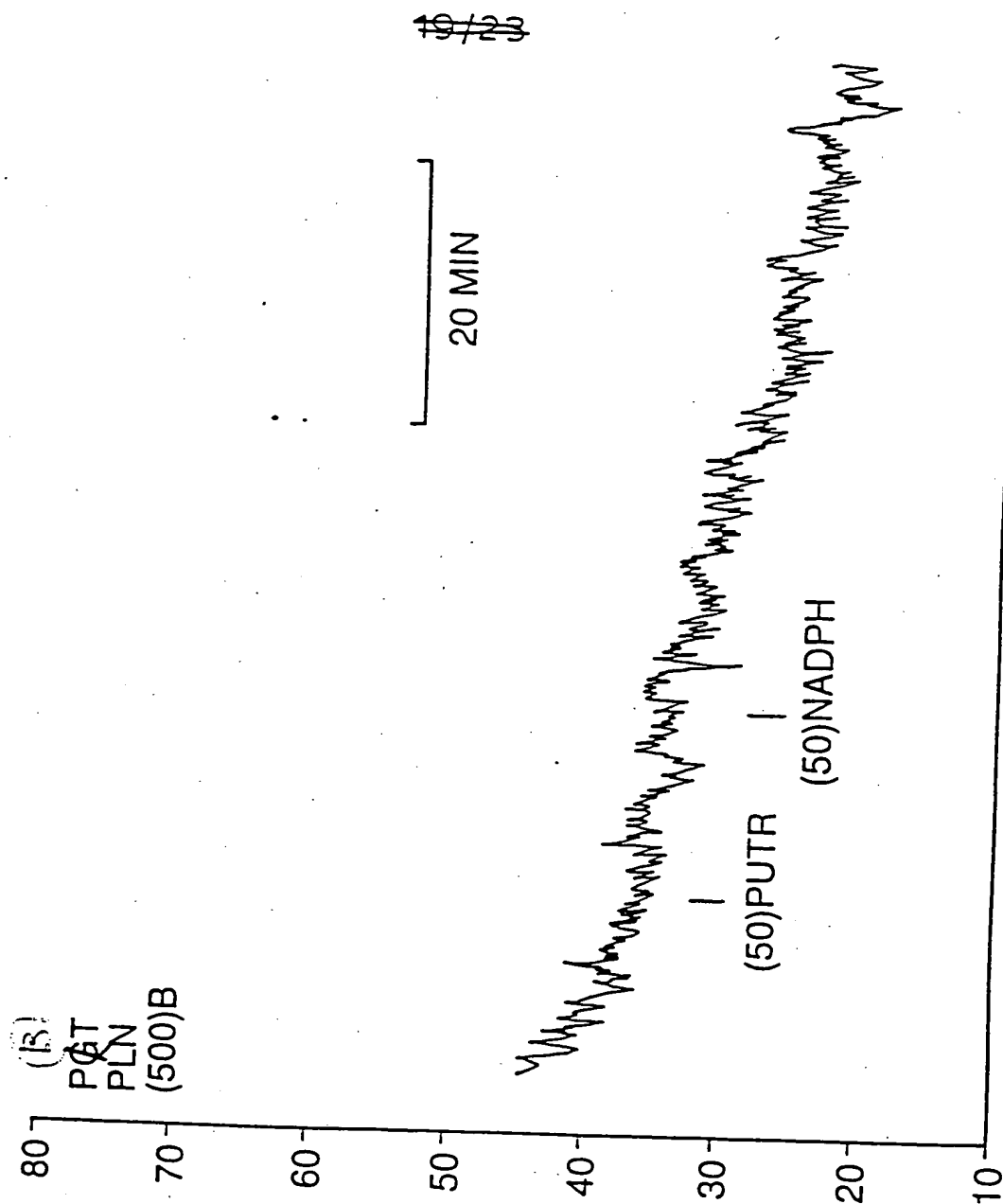


FIG.19.

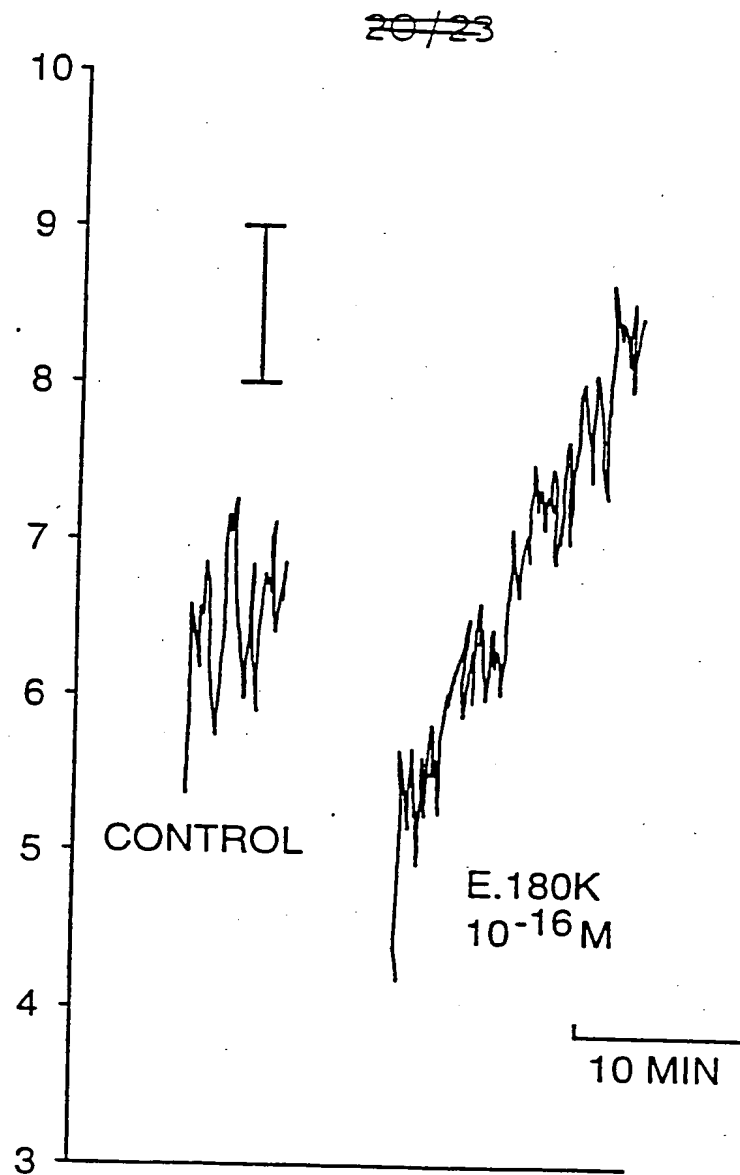


FIG.20.

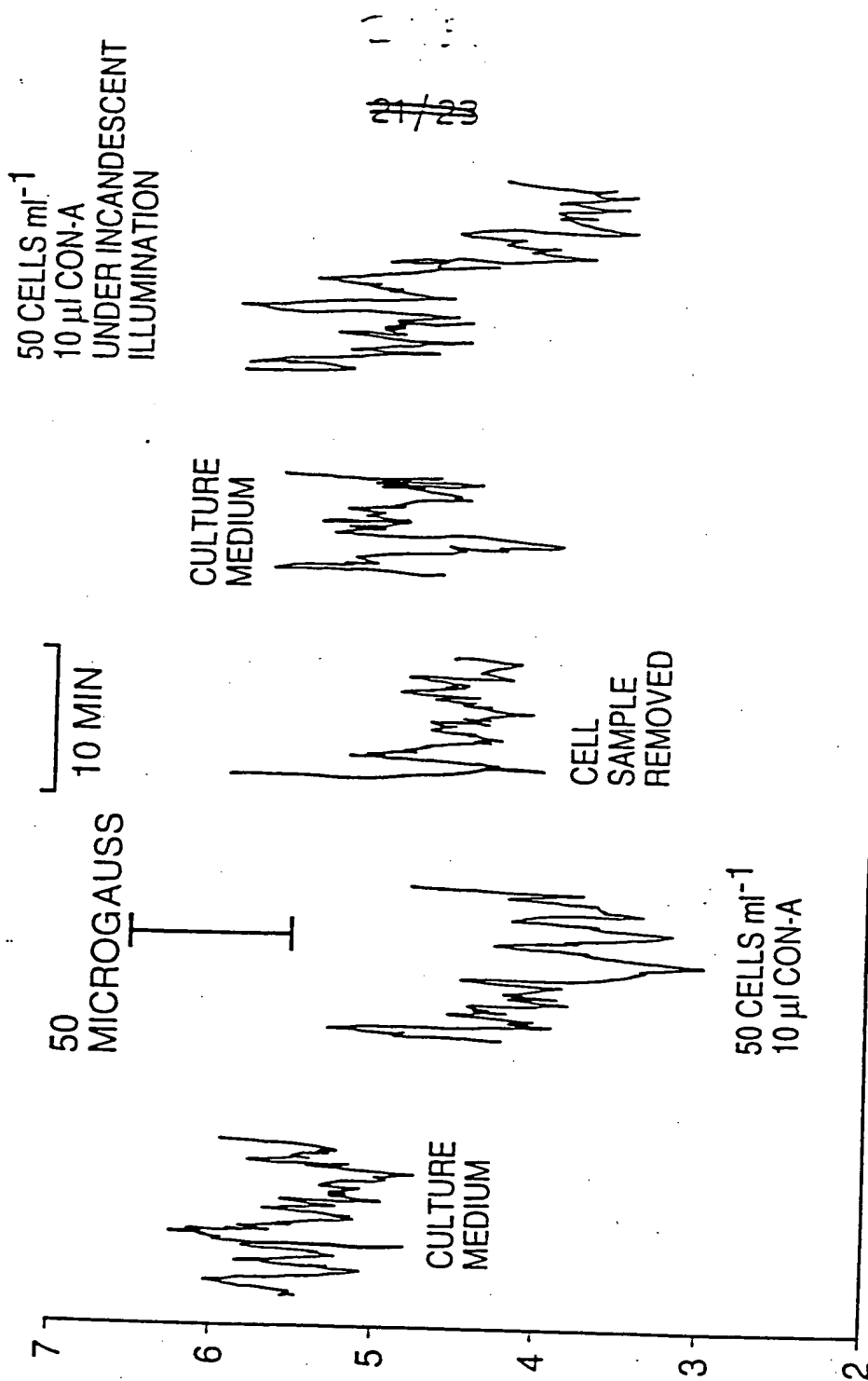


FIG.21.

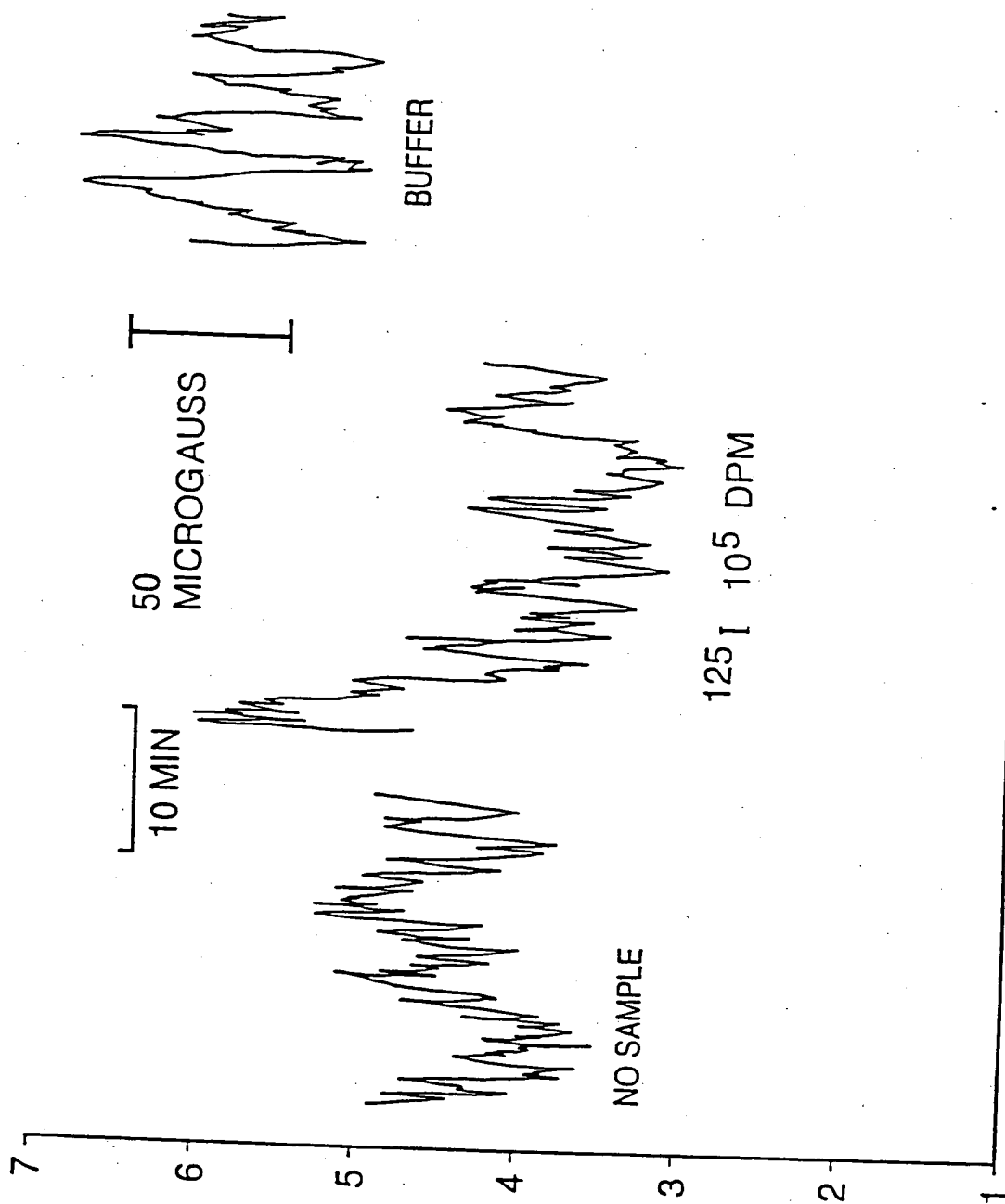


FIG.22.

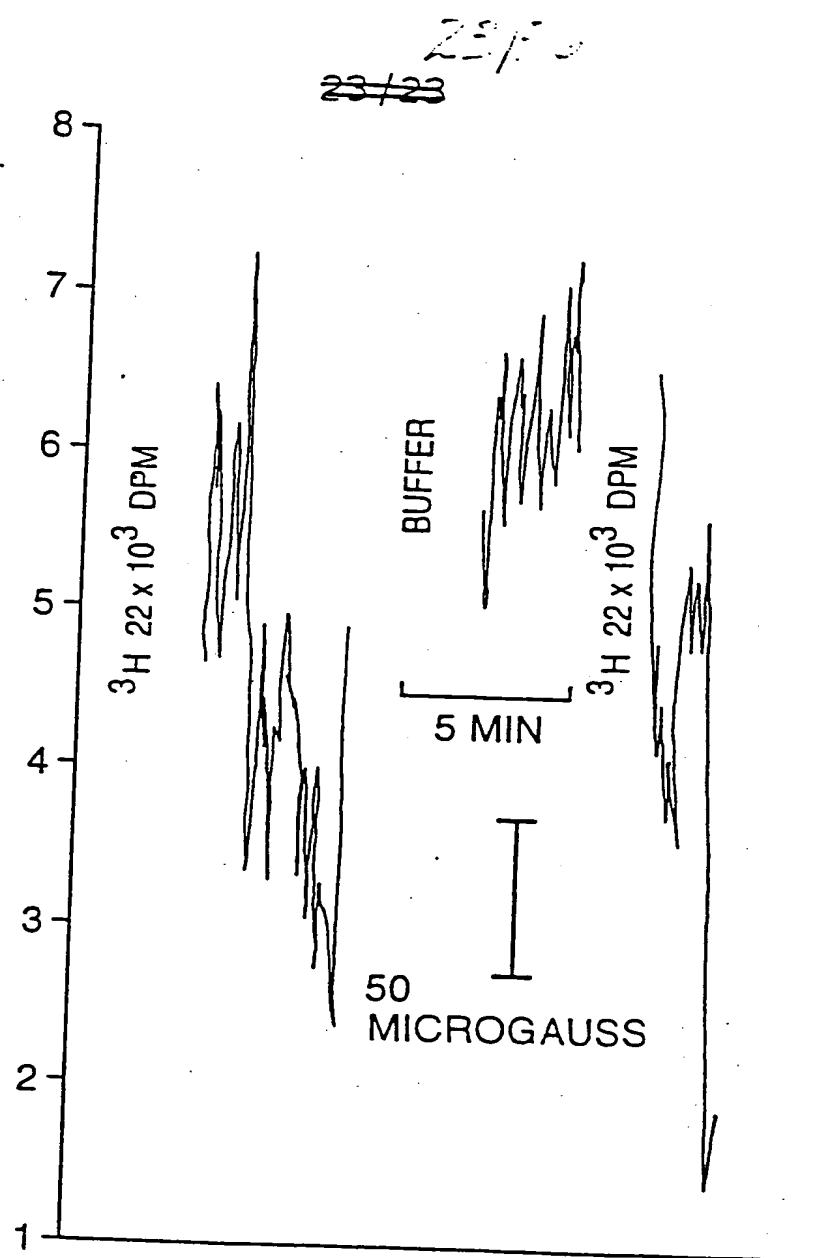
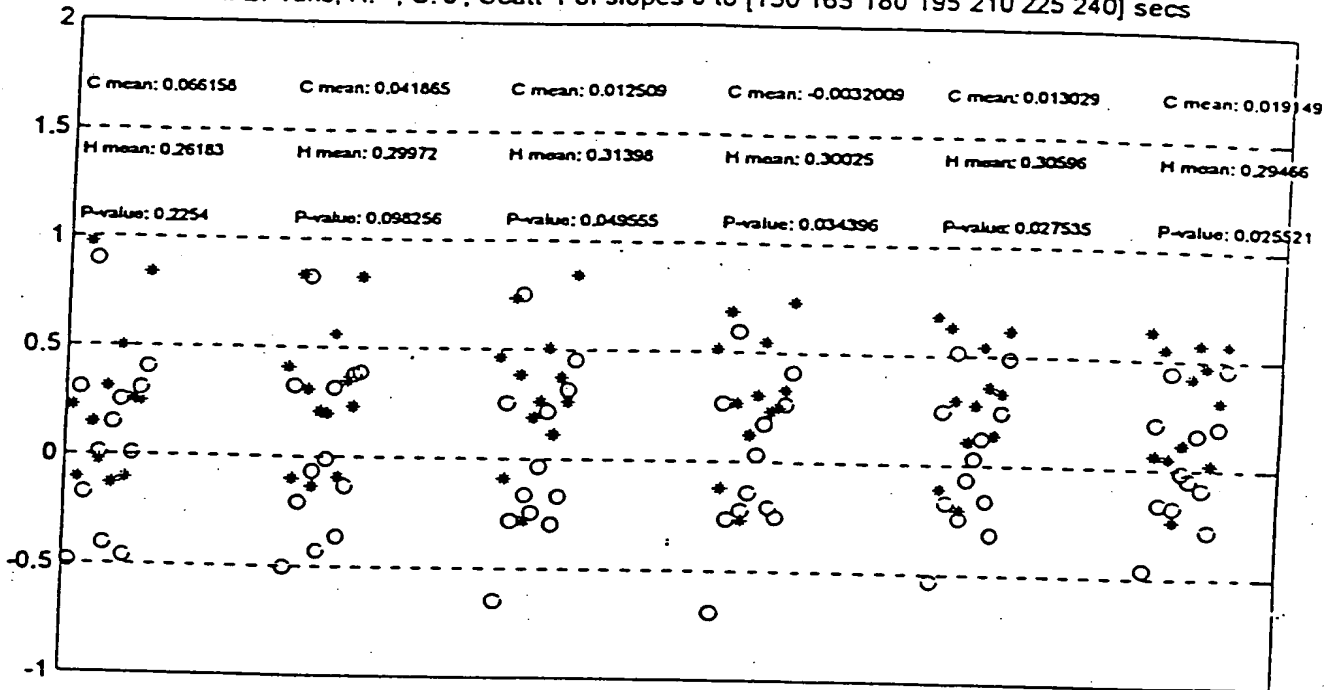


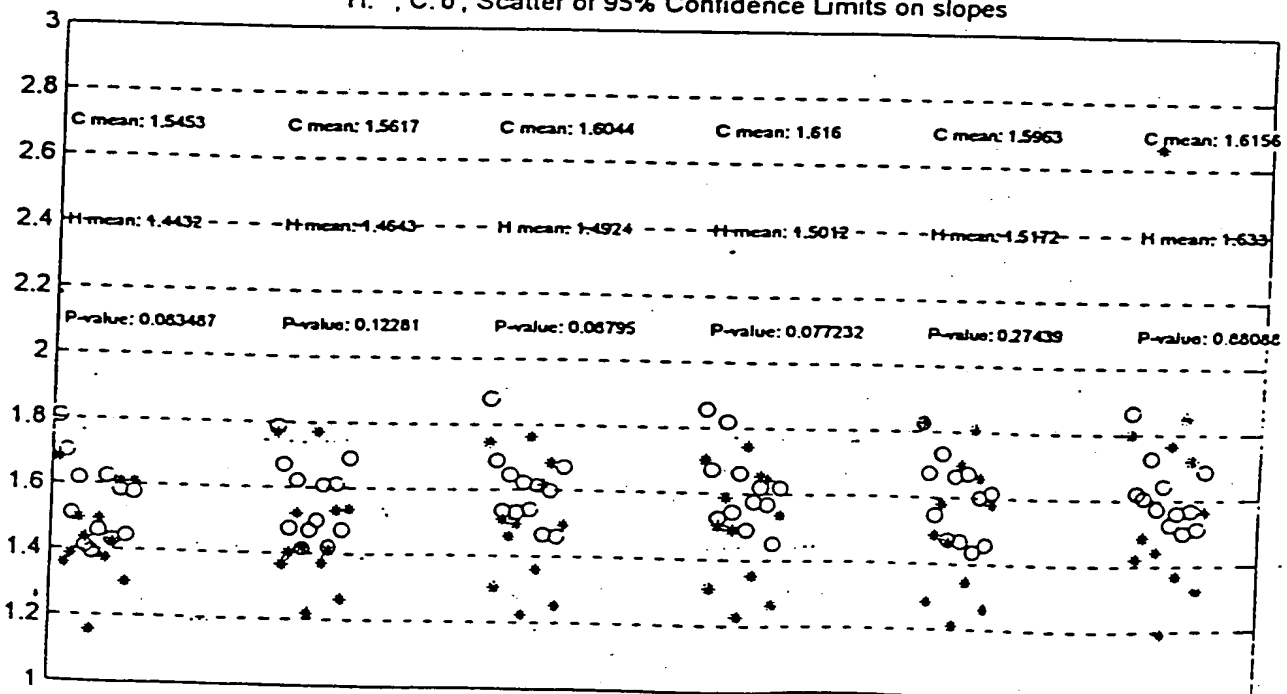
FIG.23.

FIGURE 25

Oct. 27 runs, H: " , C: 'o', Scatter of slopes 0 to [150 165 180 195 210 225 240] secs



H: " , C: 'o', Scatter of 95% Confidence Limits on slopes



003270" 98965460

FIGURE 26

Hydrazine Sulfate Runs - June 11, 17 and 19

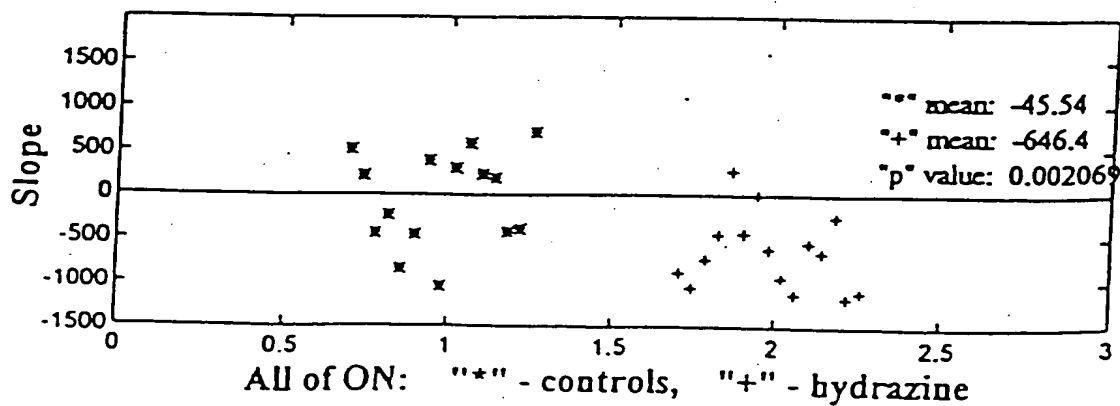
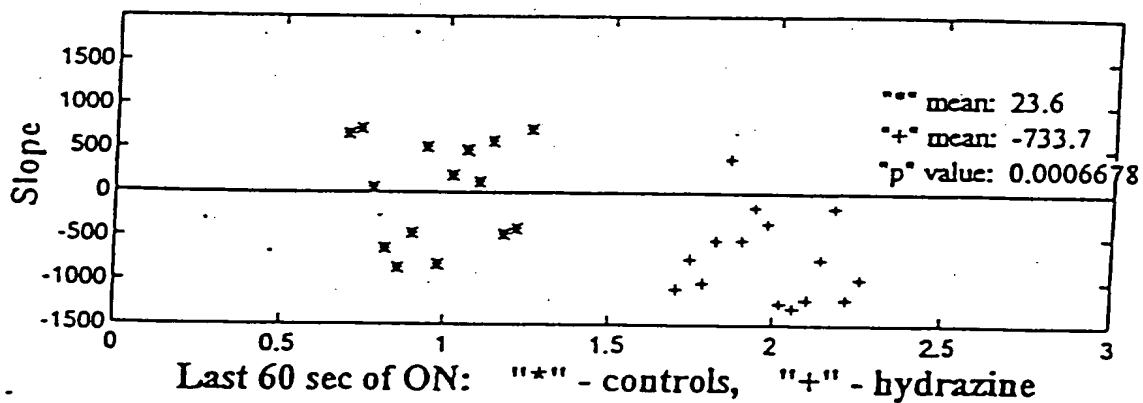
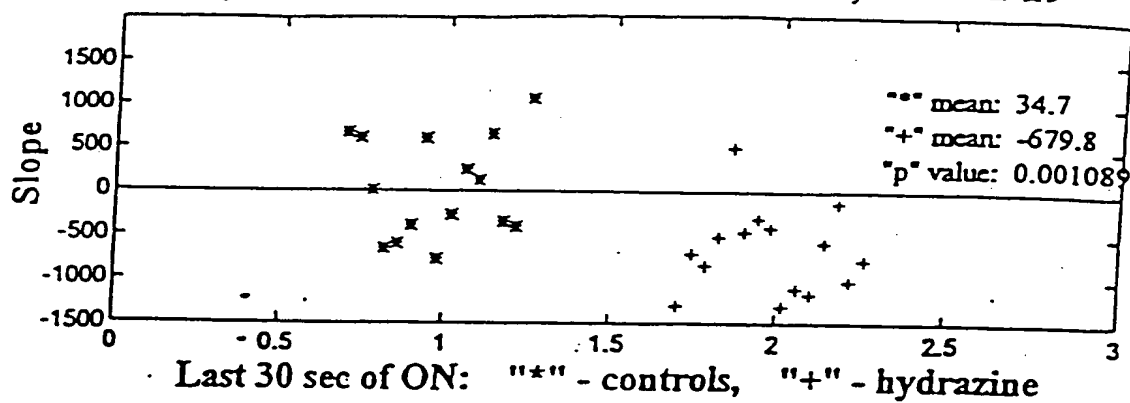
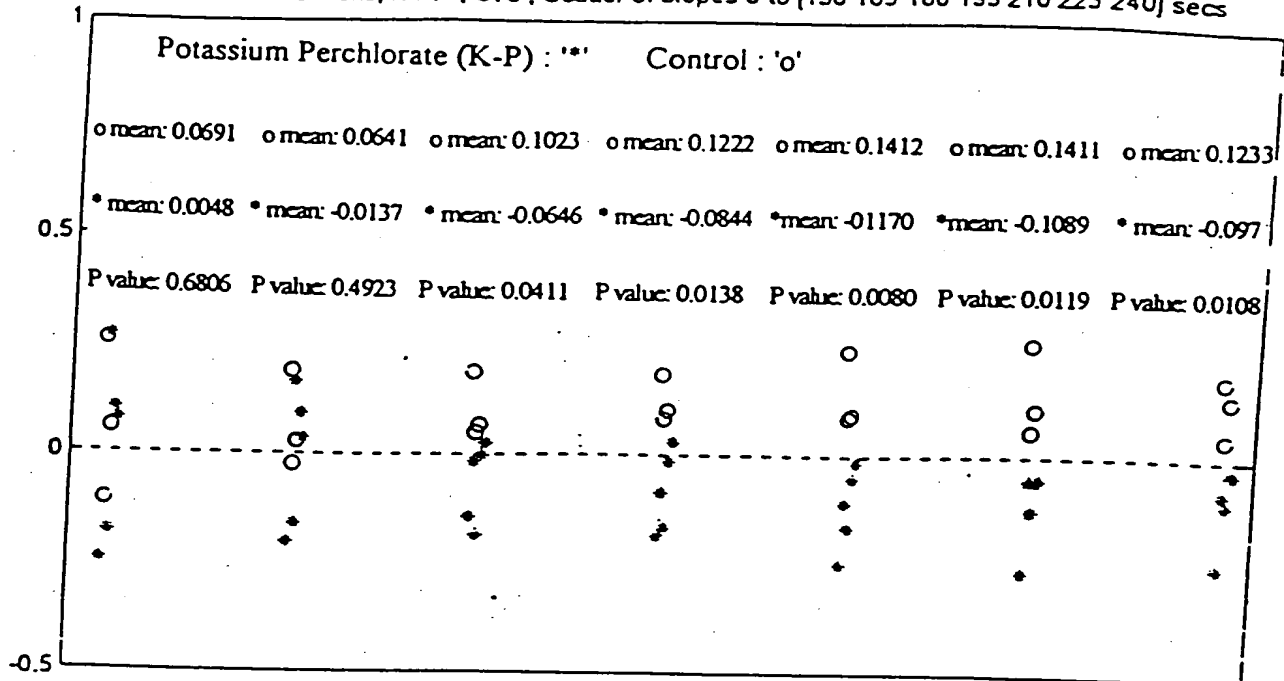
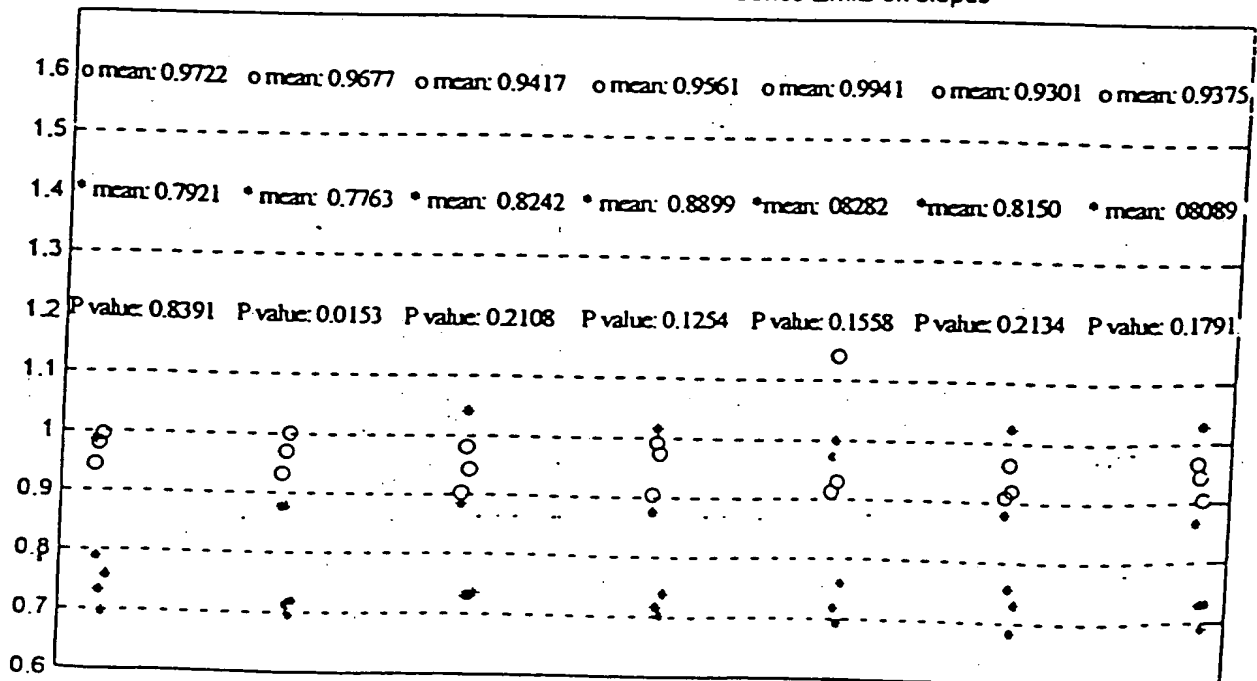


FIGURE 27

Nov.25 Rm324 runs, K-P: "•", C:"o", Scatter of slopes 0 to [150 165 180 195 210 225 240] secs

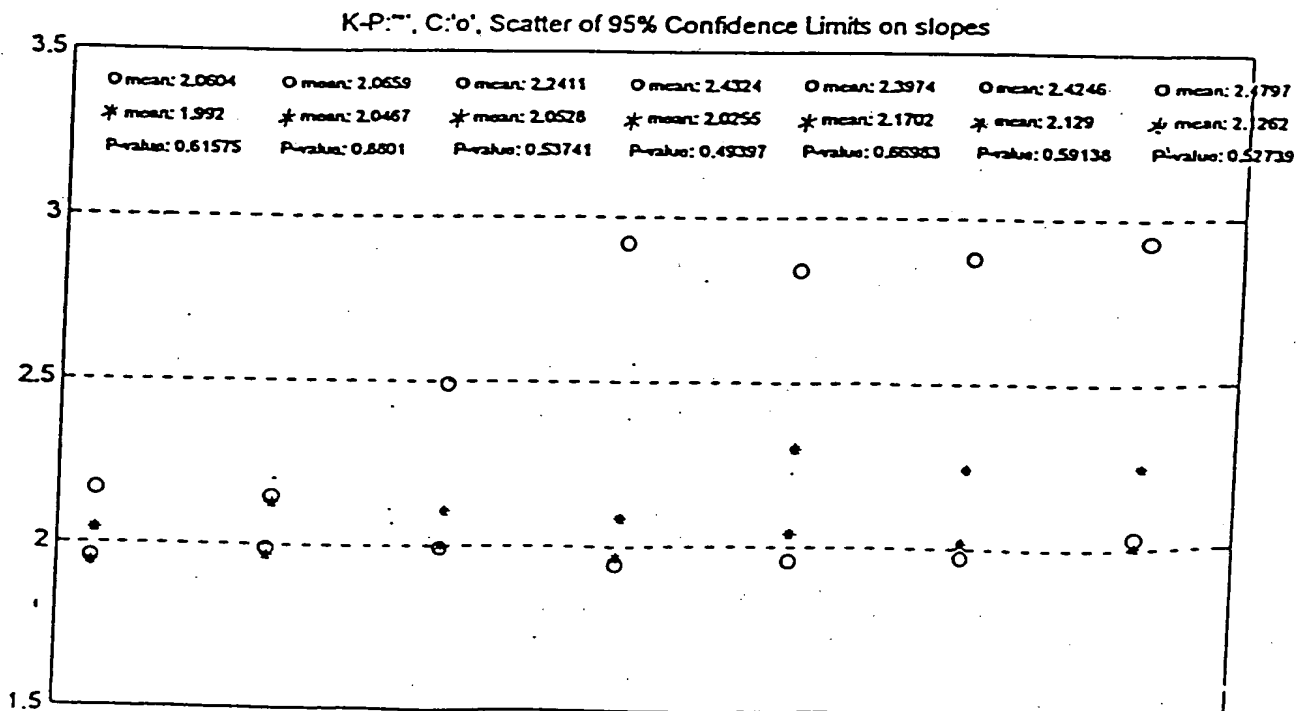
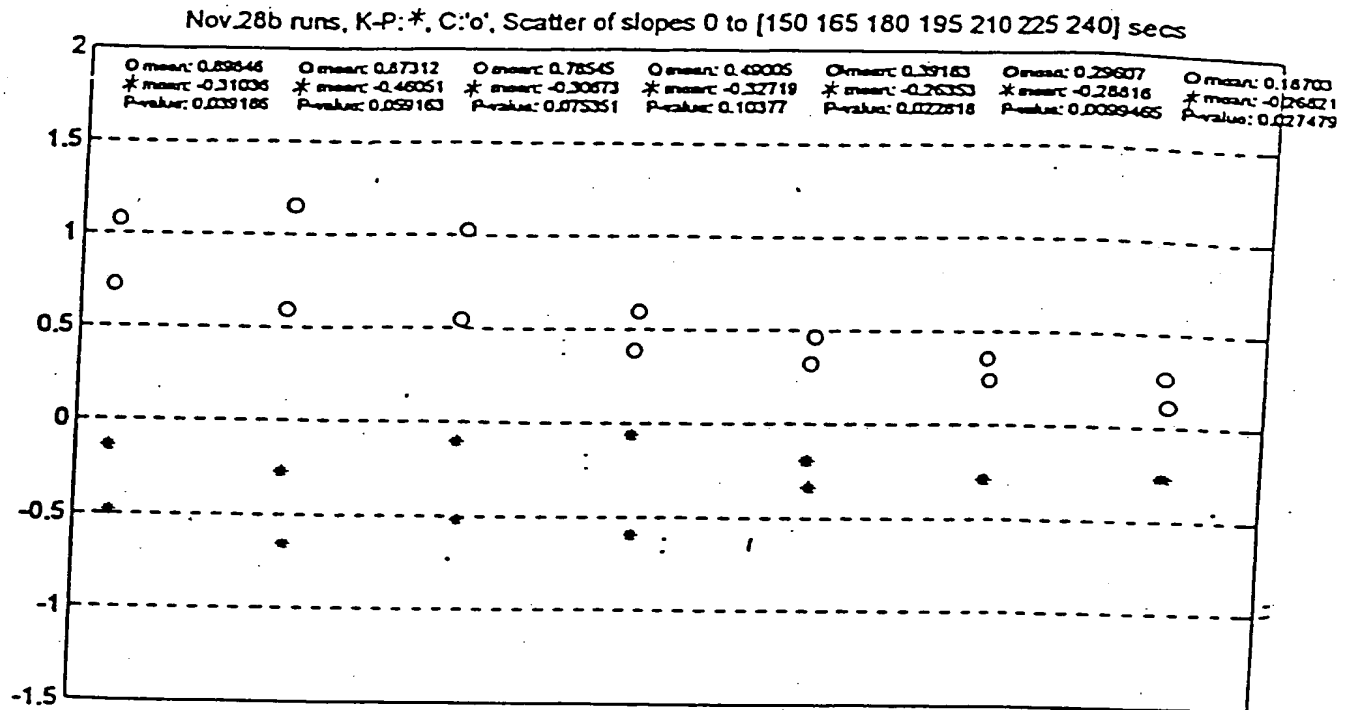


K-P: "•", C:"o", Scatter of 95% Confidence Limits on slopes



008210" 989E5460

FIGURE 28



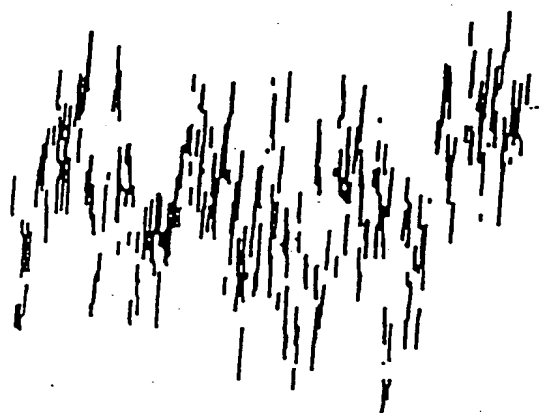
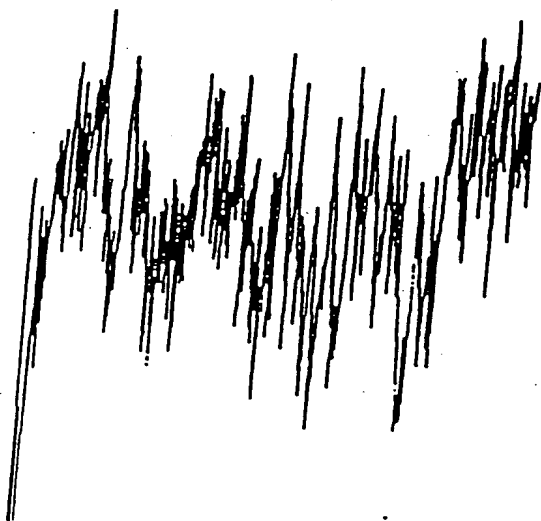
000210 989E6460

FIGURE 29

(A)
COMPUTER-GENERATED
FACSIMILE OF CHART
RECORDING

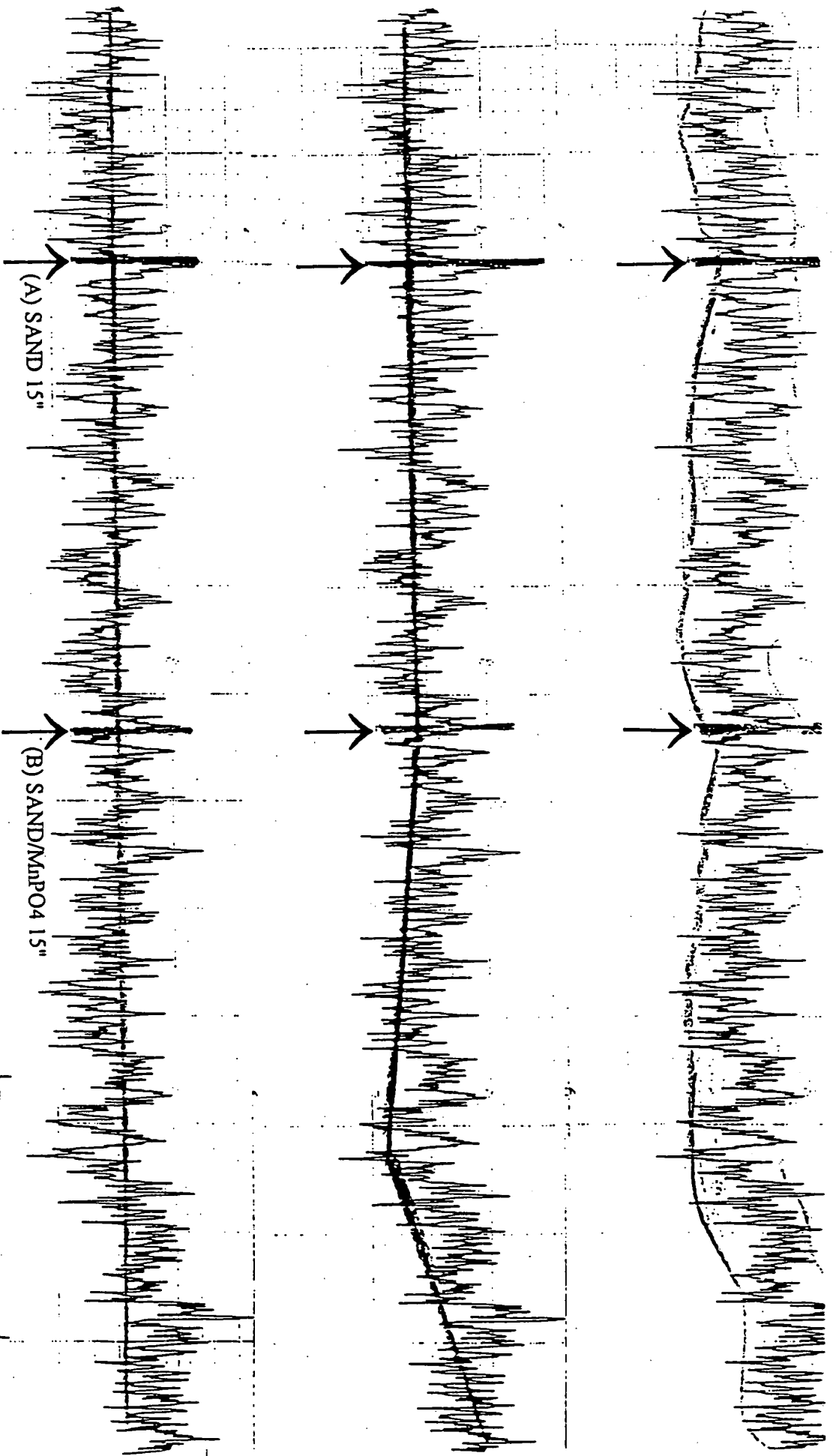
(B)
ELIMINATION OF DENSITIES
BELOW AN ARBITRARY
THRESHOLD. SHOWN ON
COMPUTER SCREEN
FACSIMILE OF CHART
RECORDING

008210" 989E6160



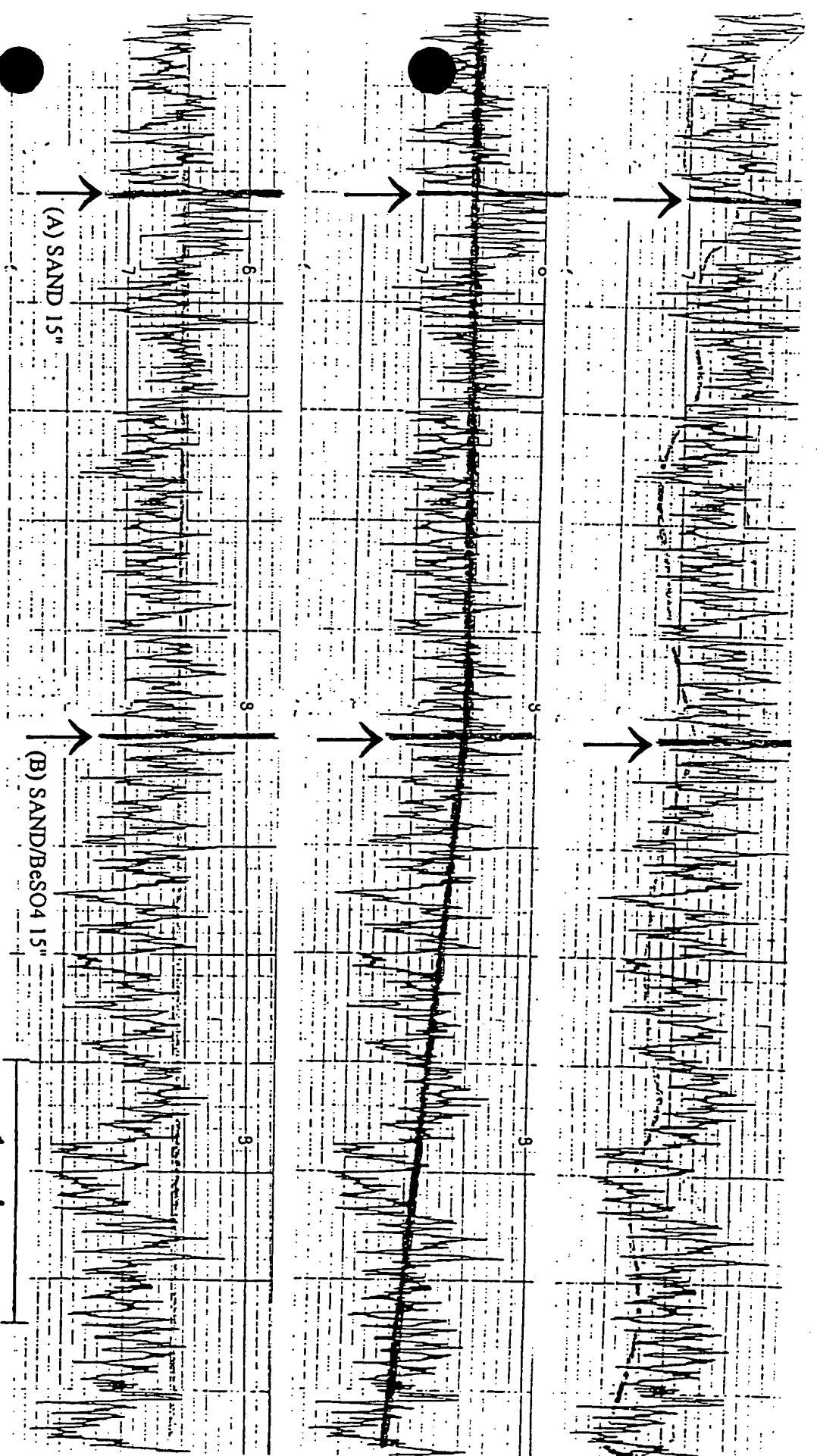
REPRESENTATIVE CALCULATIONS

- * number of densities: 136
- * number of densities with areas > 70 units: 22
- * Total area of densities: 5709 units
- * Total area of densities > 70 units: 2559 units



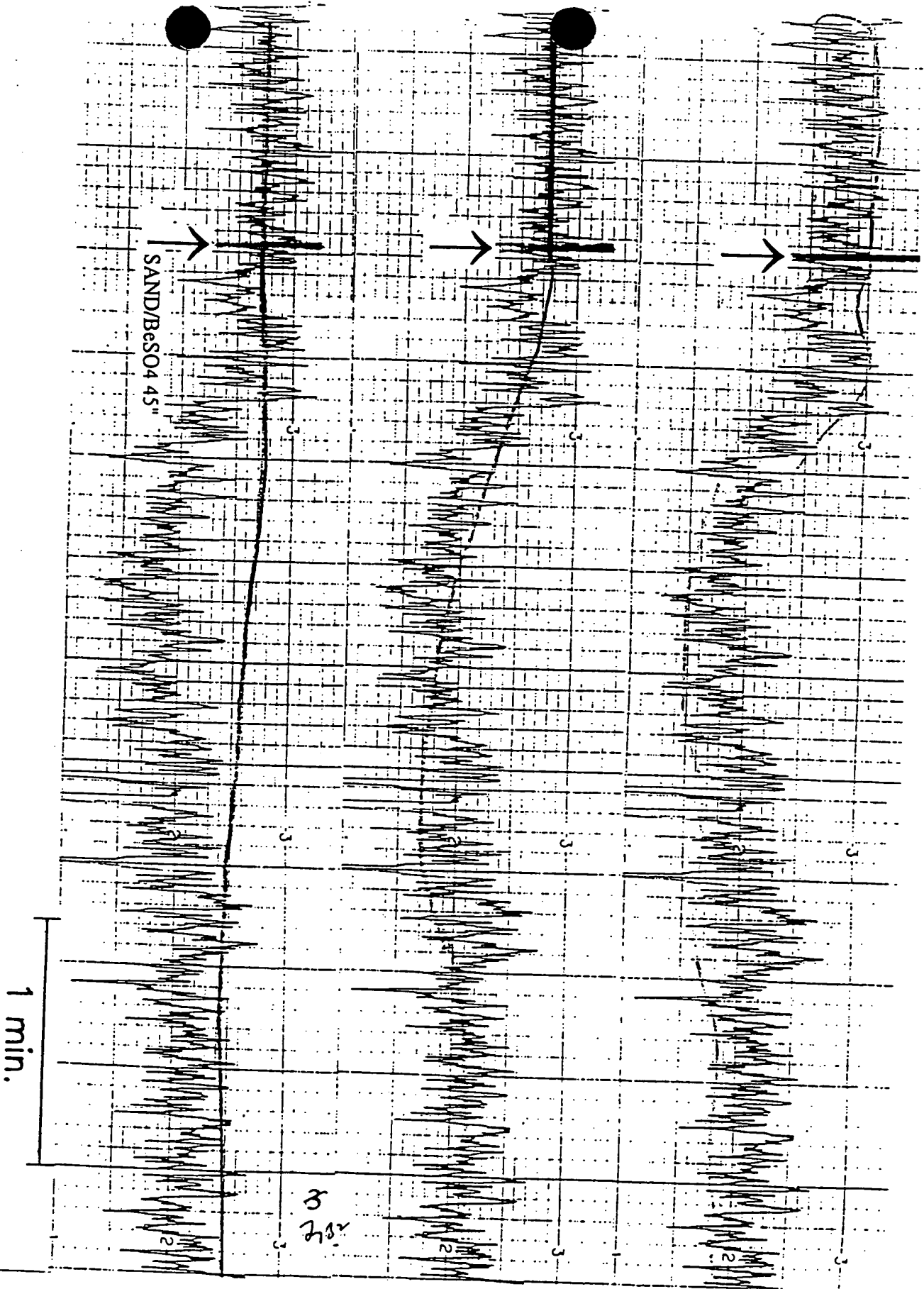
1 min.

+2 π



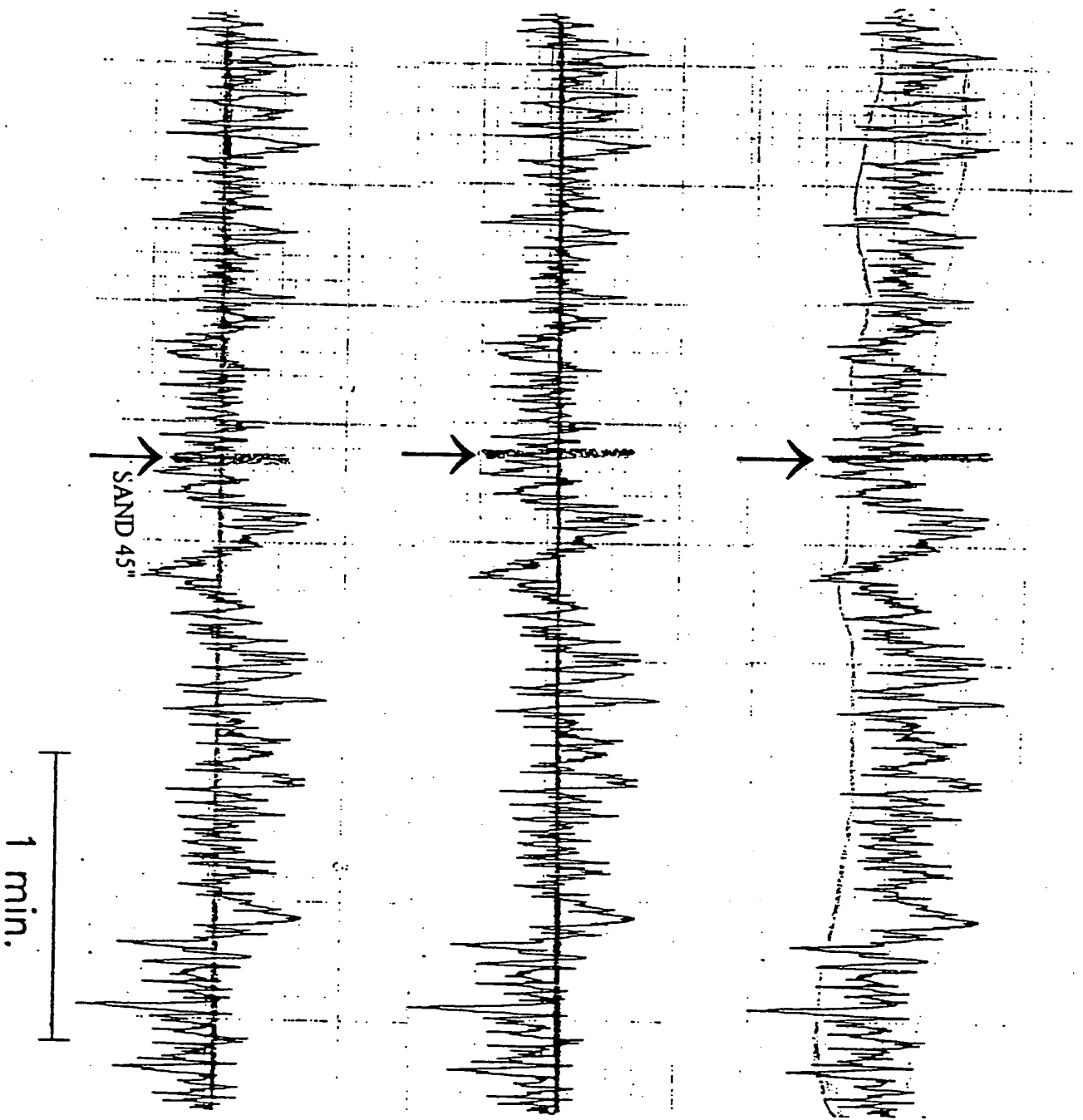
2512

D9493686 . 012800



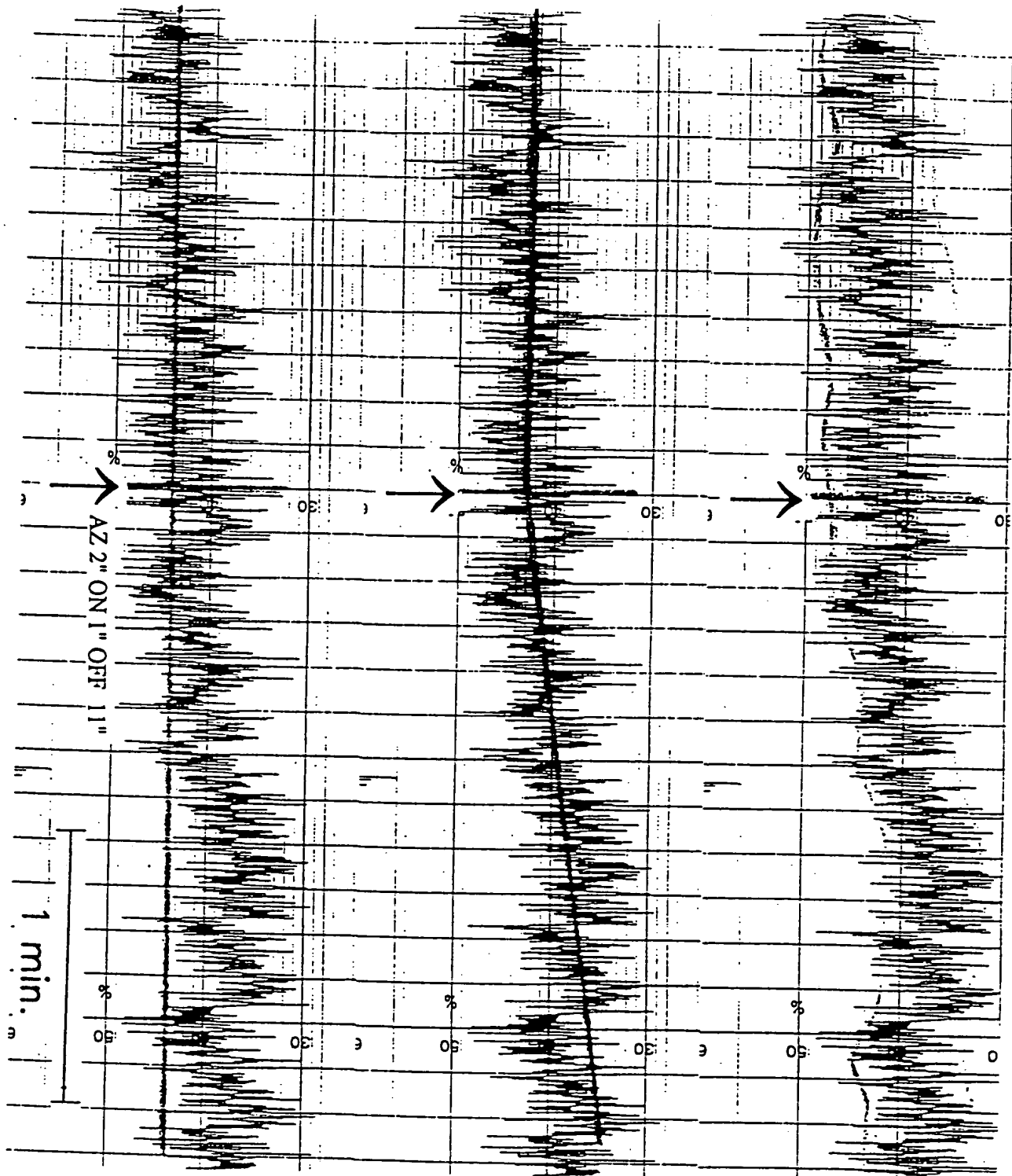
09493686 . 012800

4-2733

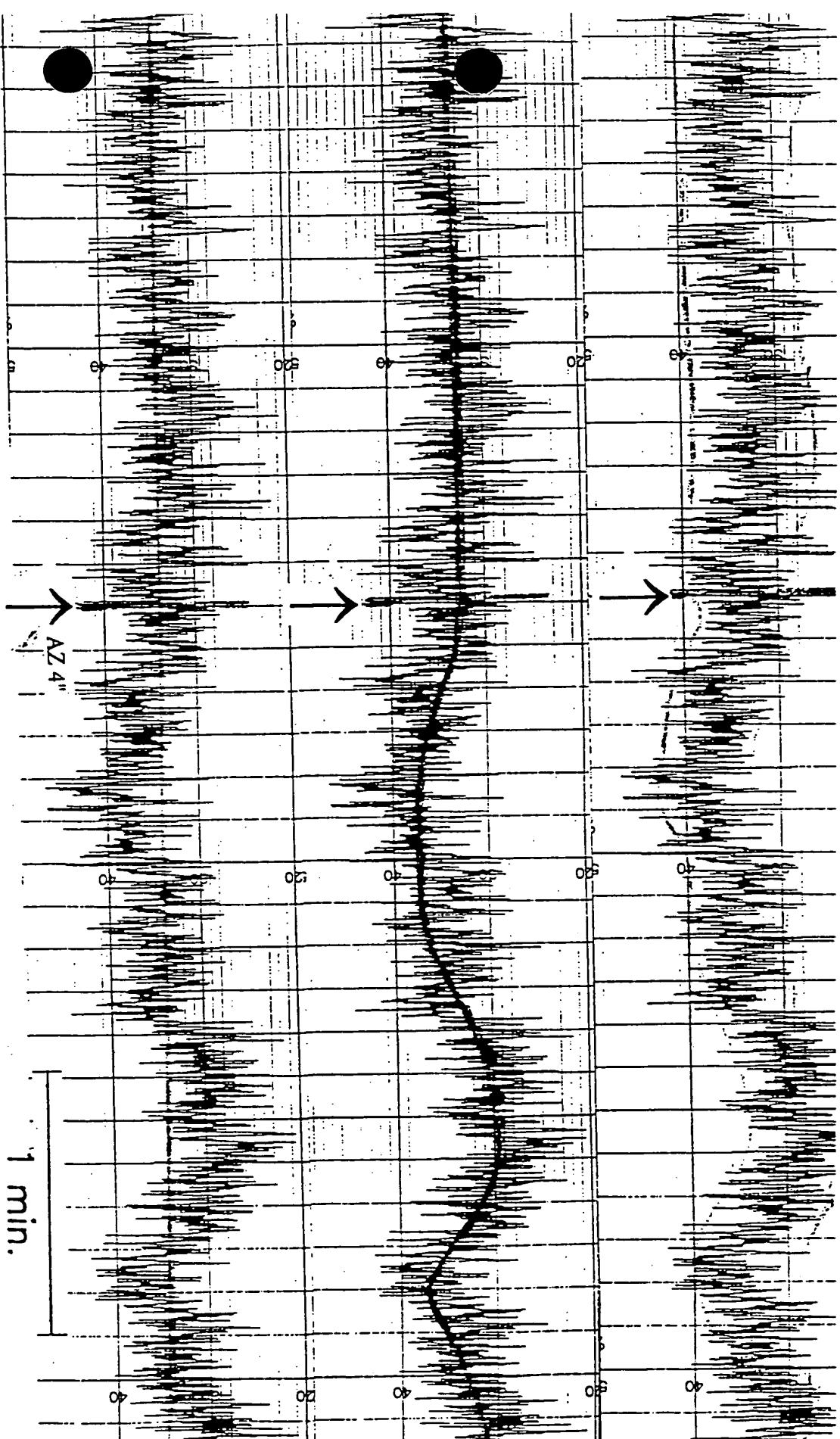


09493585 . 012800

19493686 . 012800

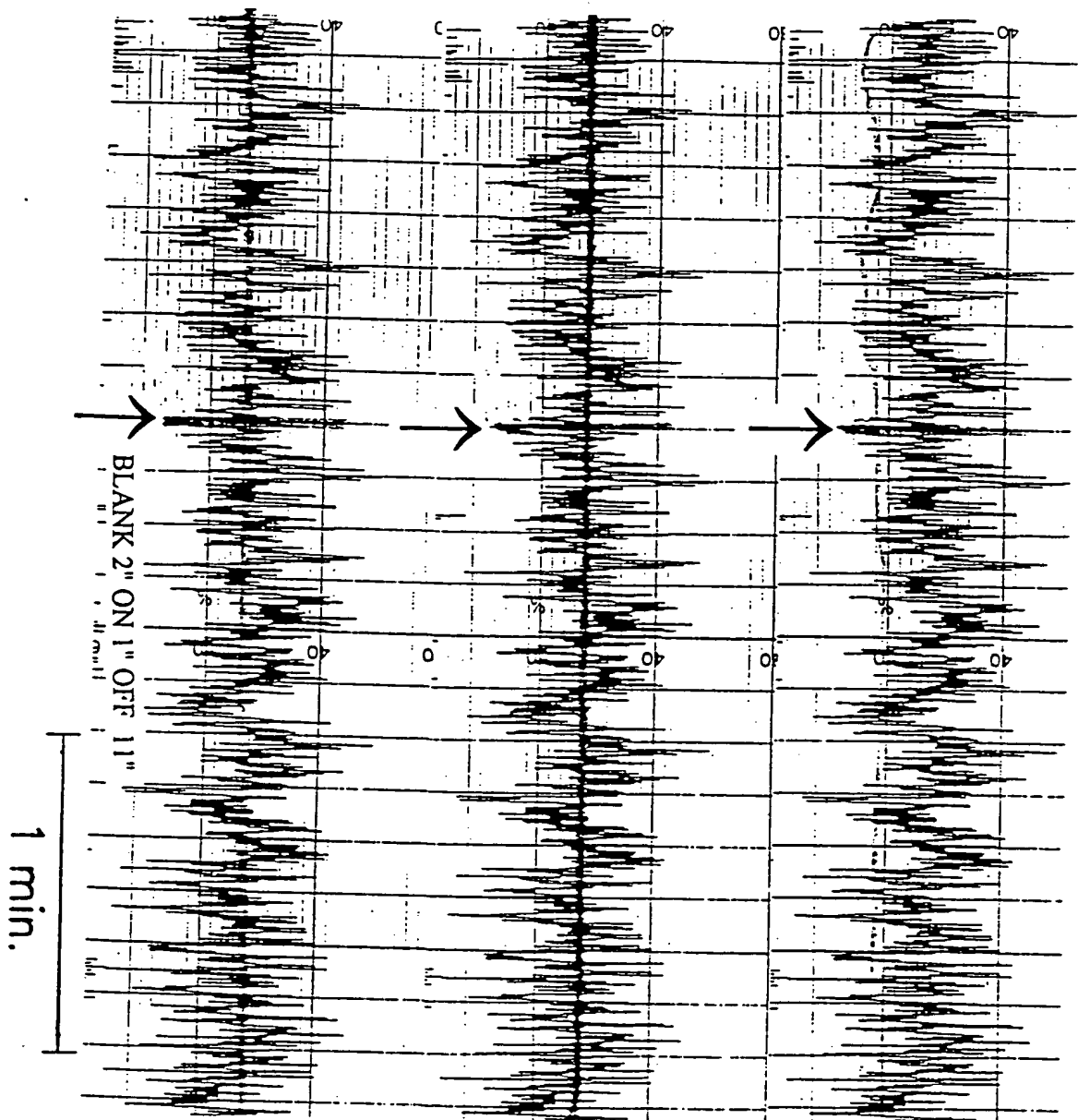


5 2734



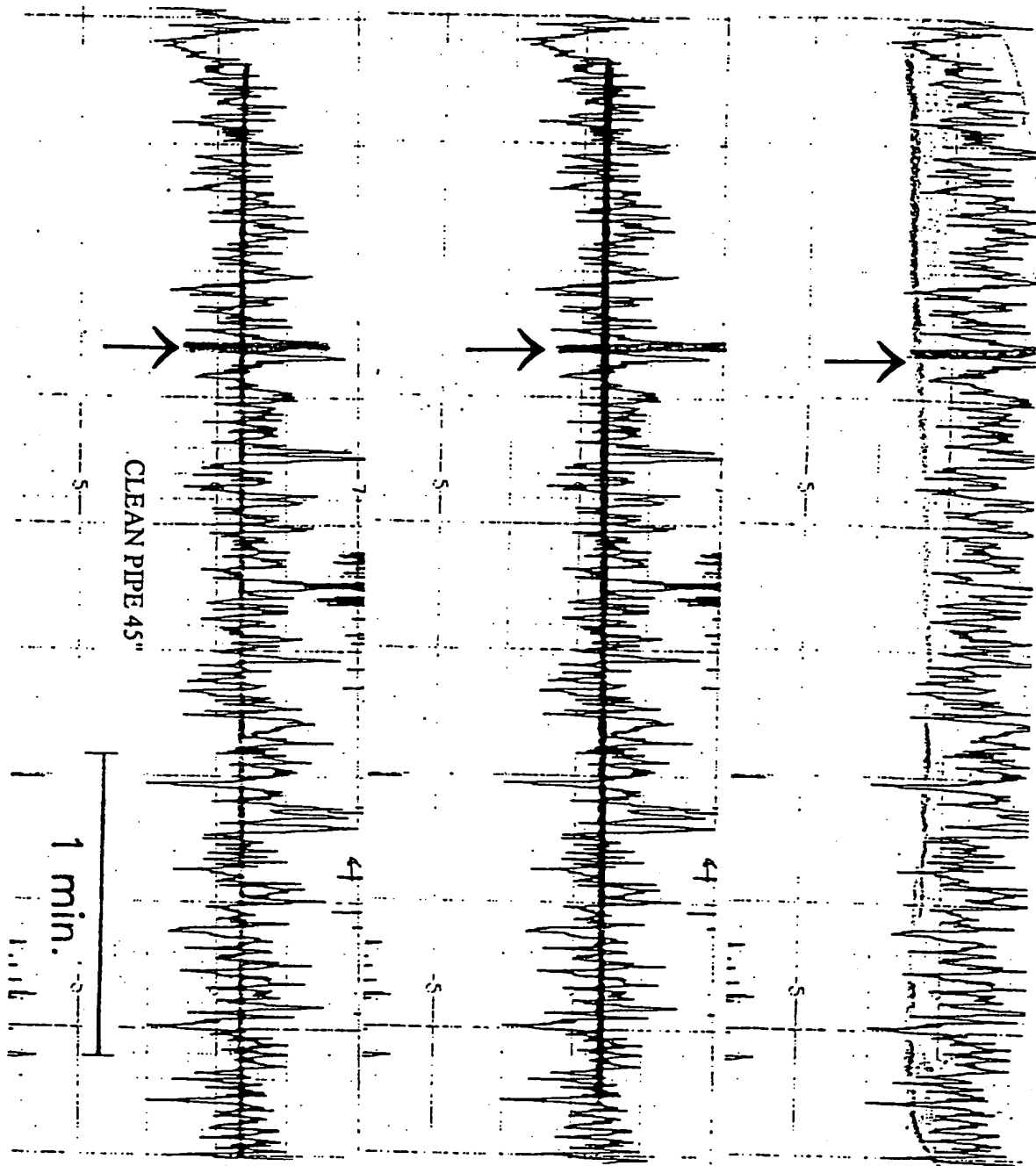
09493686.012800

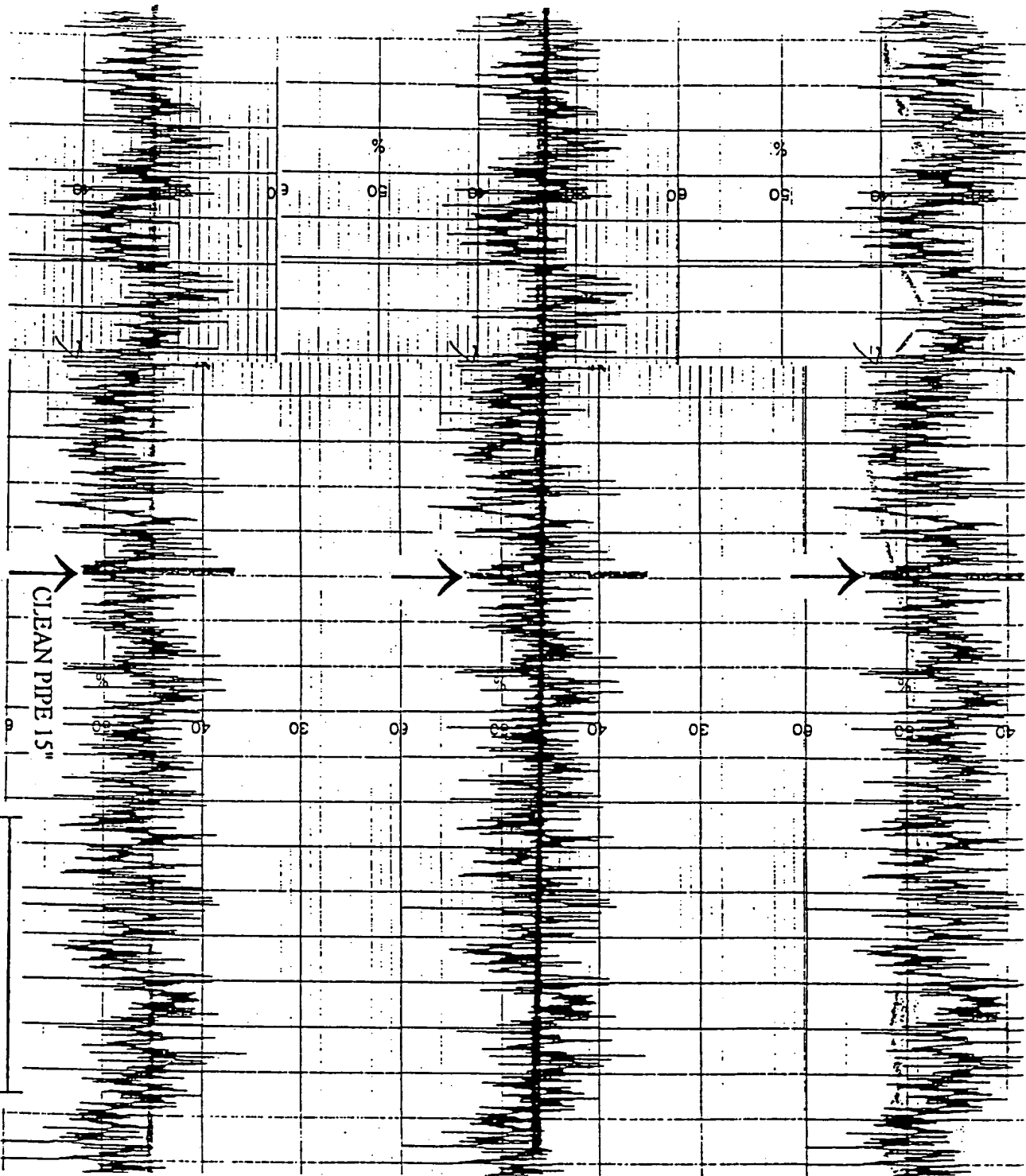
5642
245



7 7436

09493686, 012800

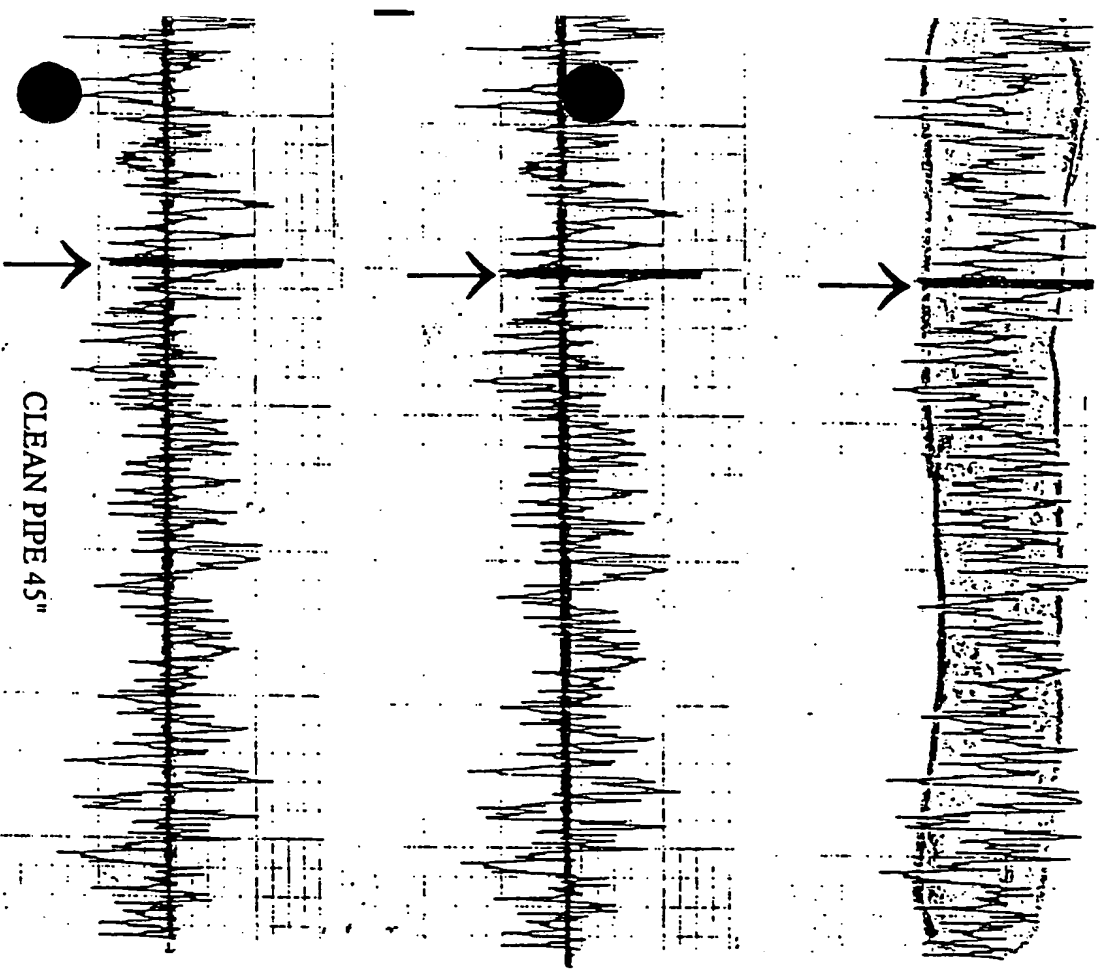




1 min.

09493686, 012800

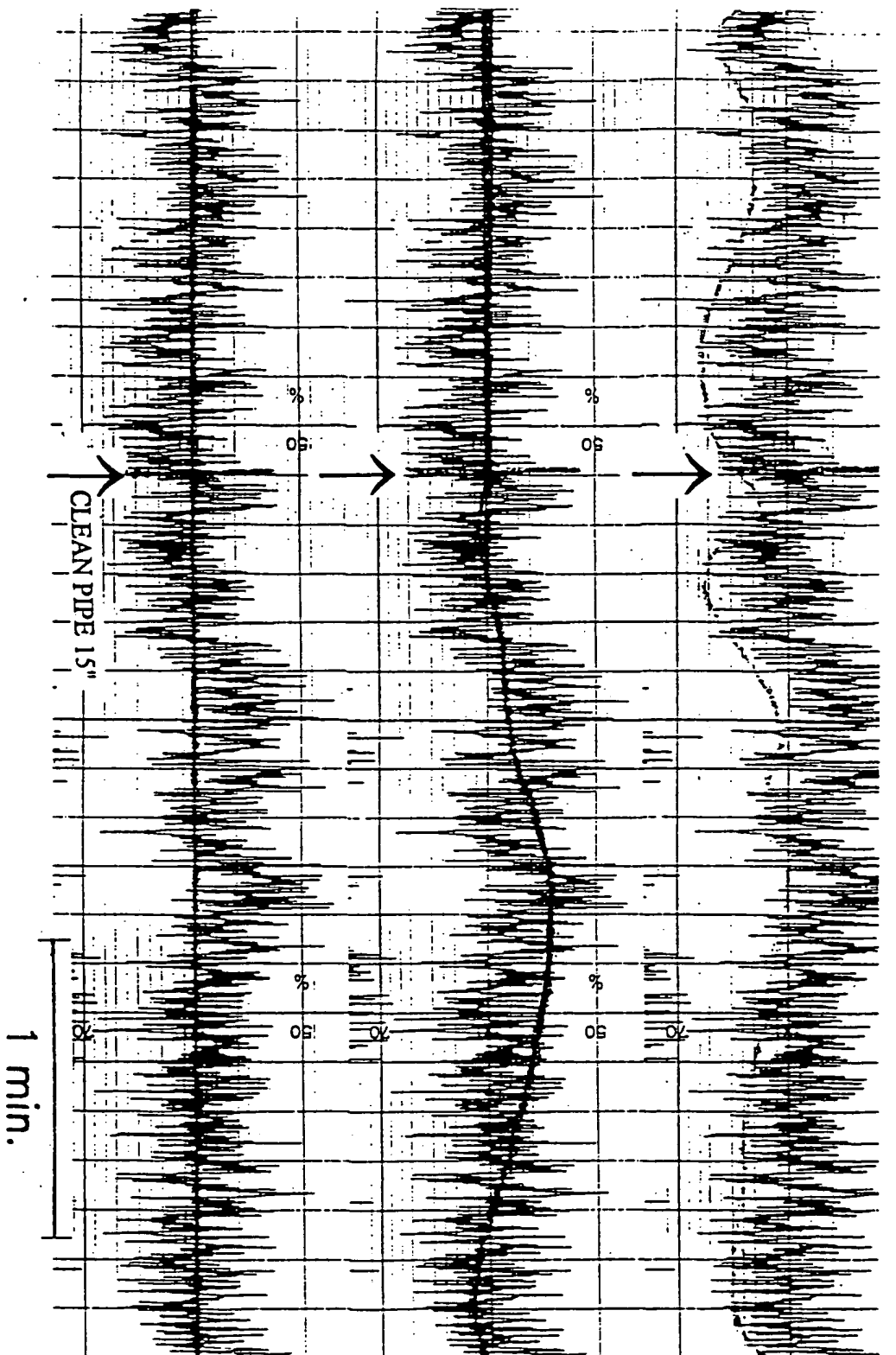
9 24 88



1 min.

10 7/8

09493686, 012800

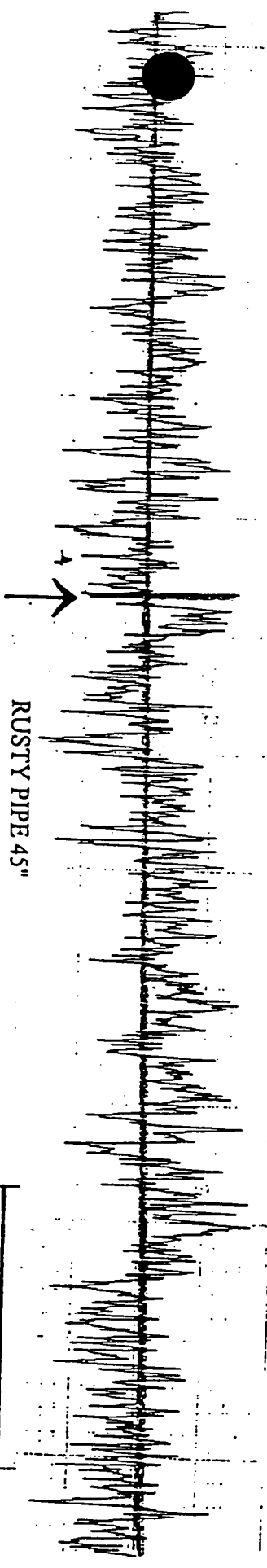


only 14

09493686 . 012800 -



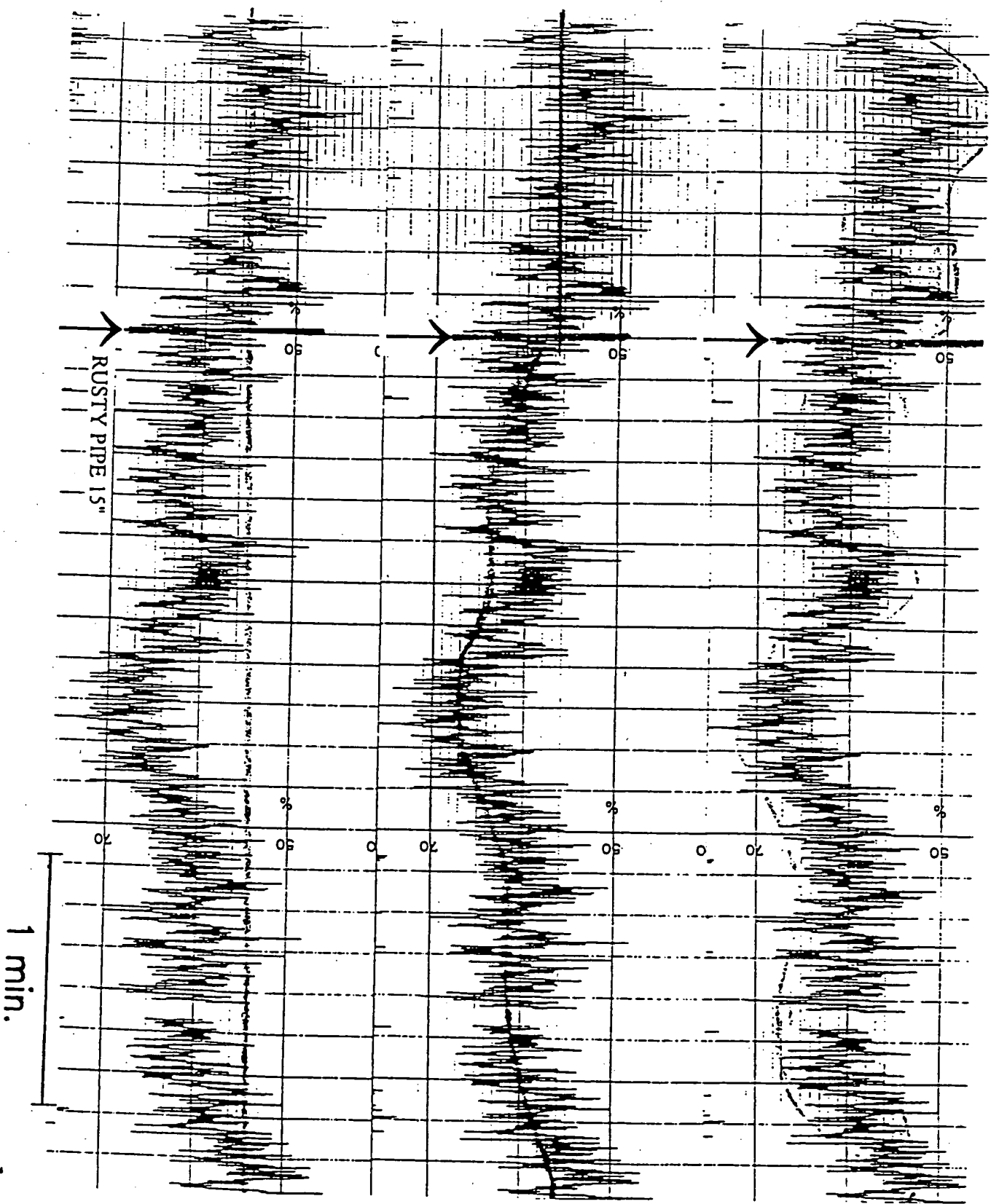
1224



RUSTY PIPE 45"

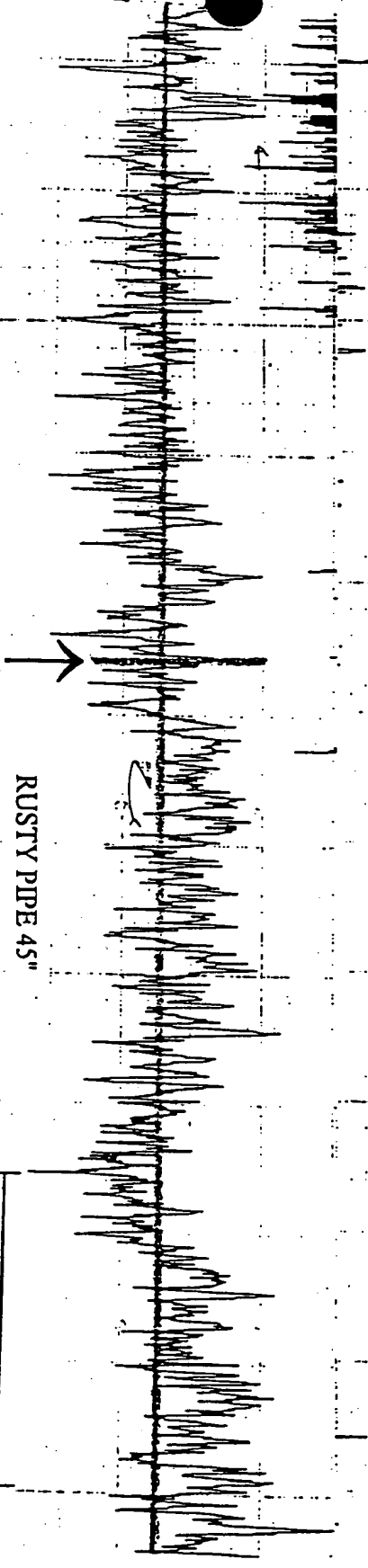
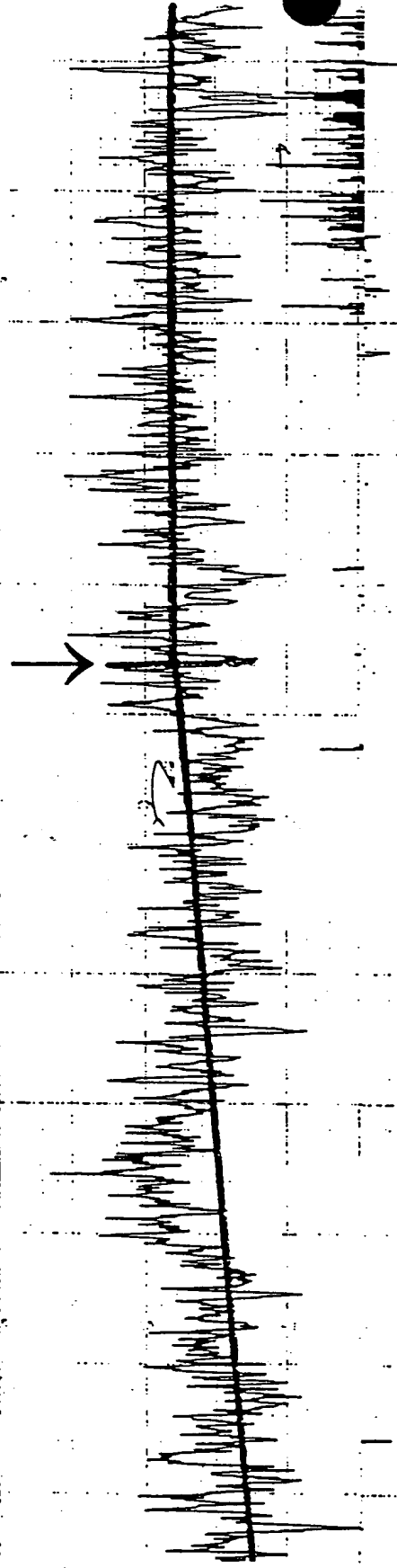
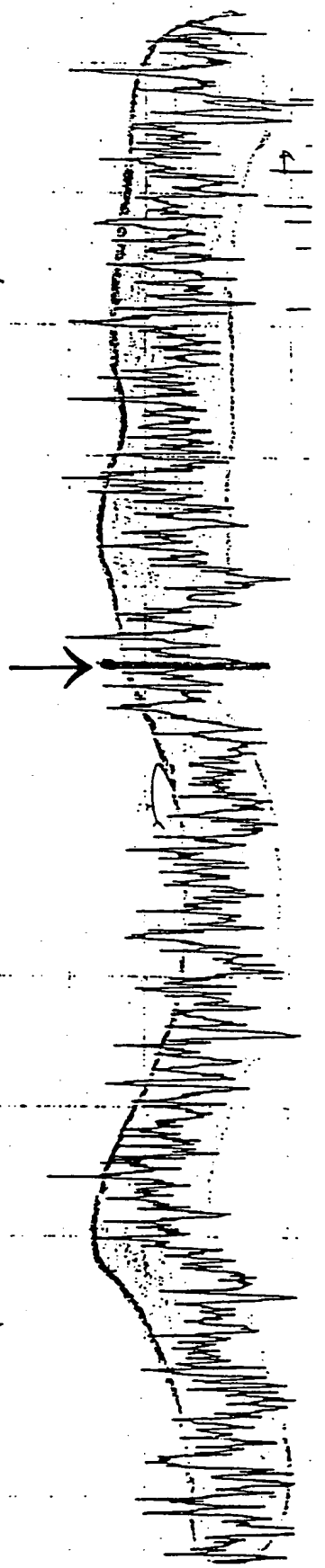
1 min.

09493686 . 012800



13 742

09493686 . 012800

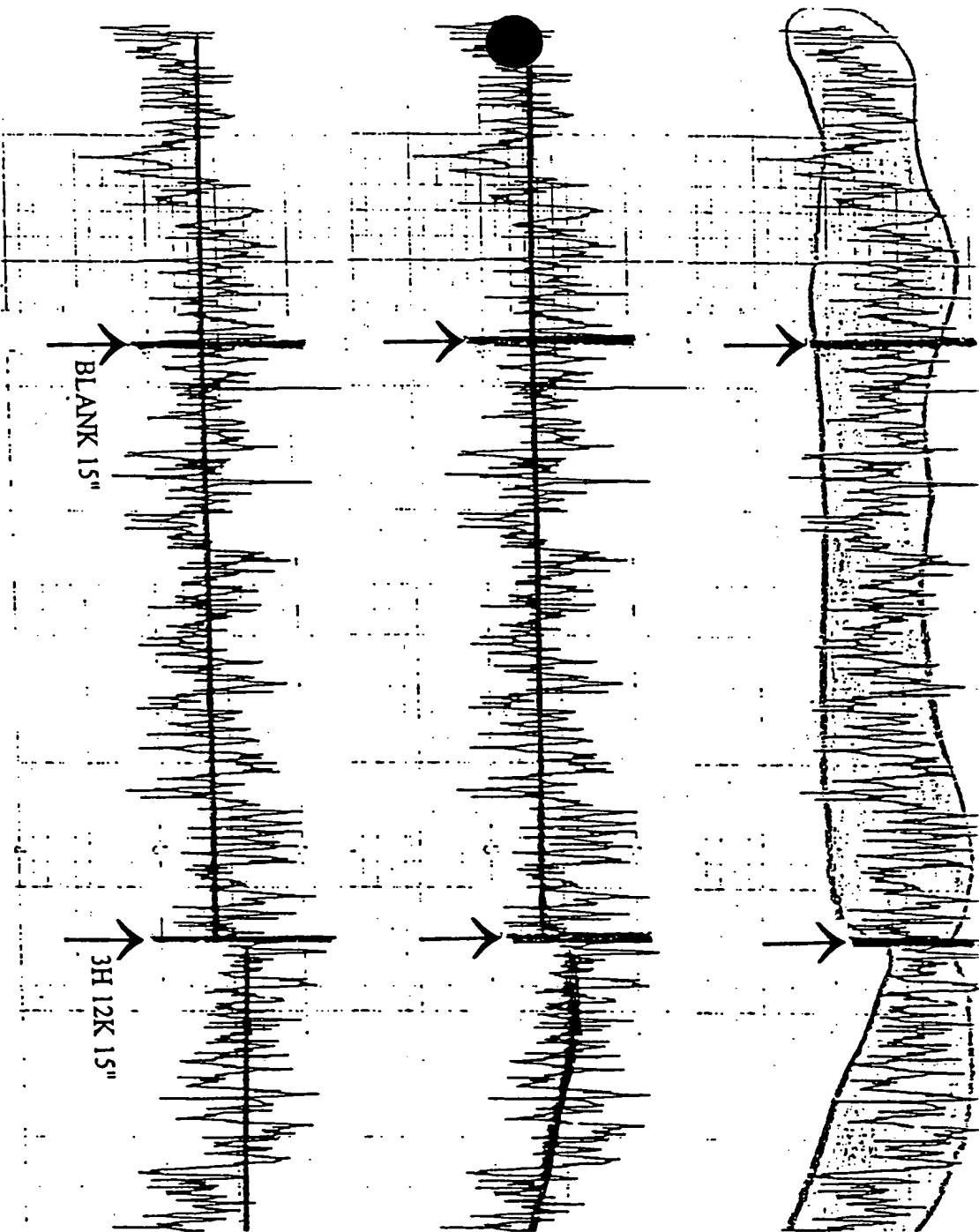


RUSTY PIPE 45"

1 min.

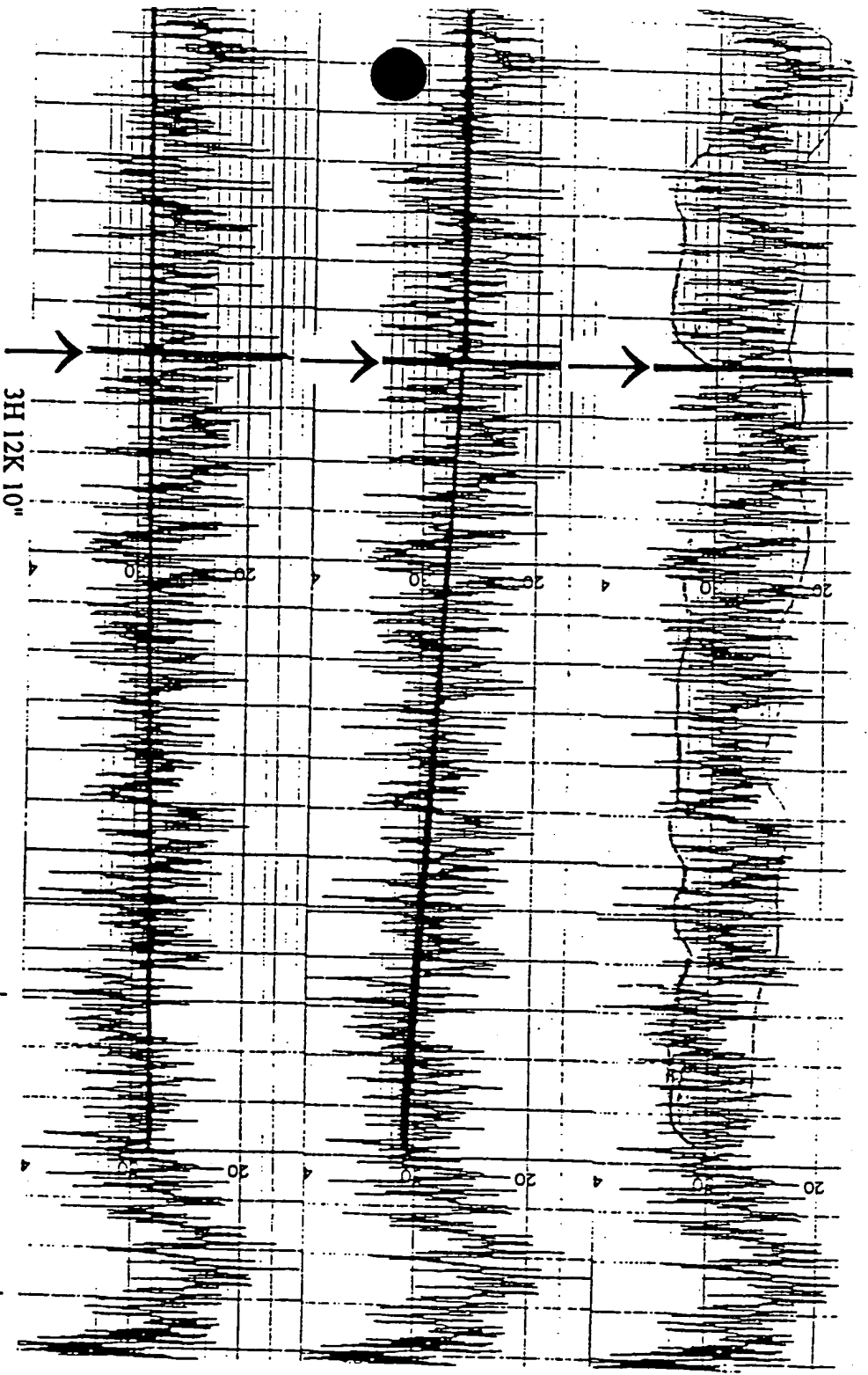
14 July

09493686, 012800



17

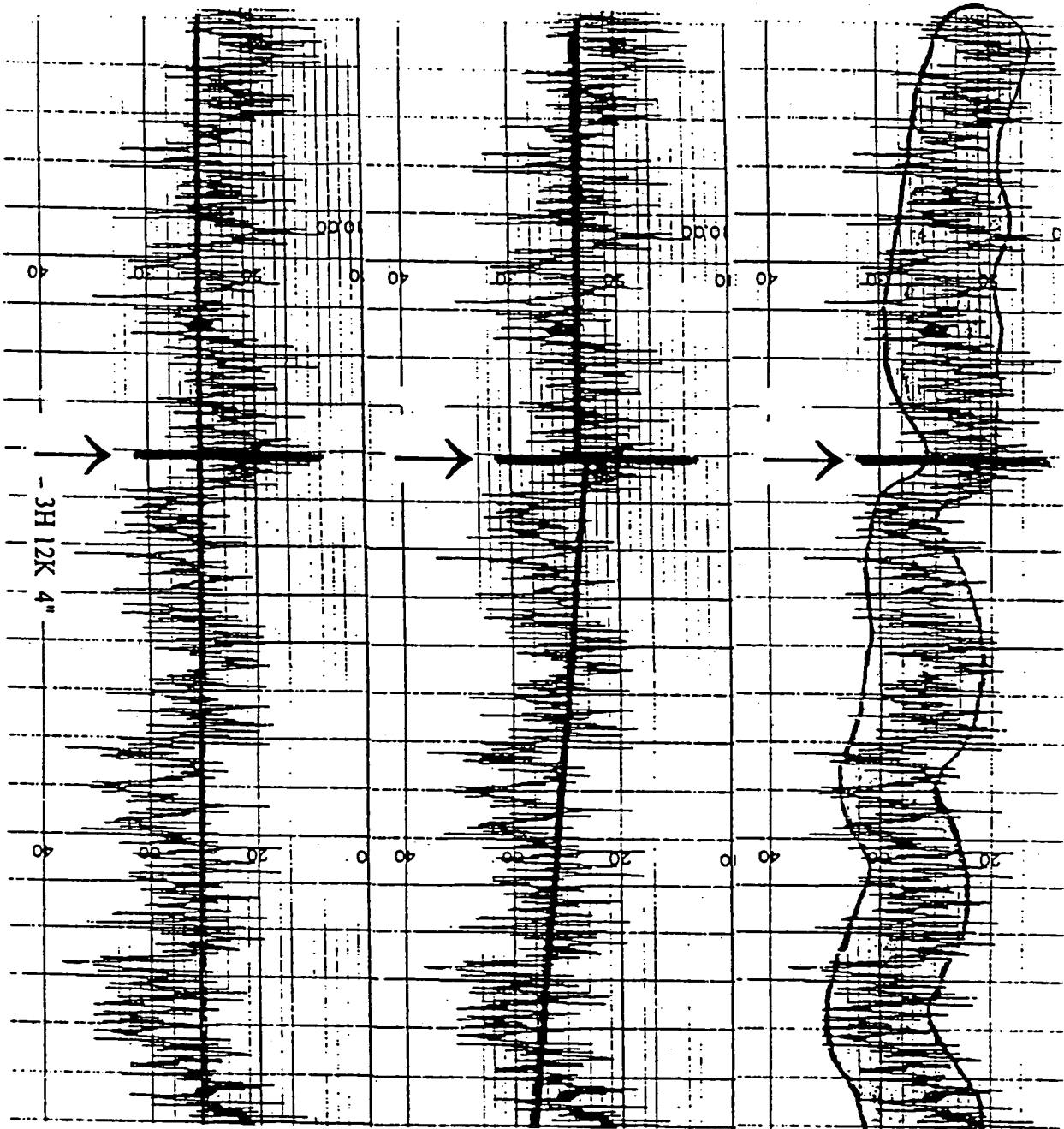
09493686.012800



1 min.

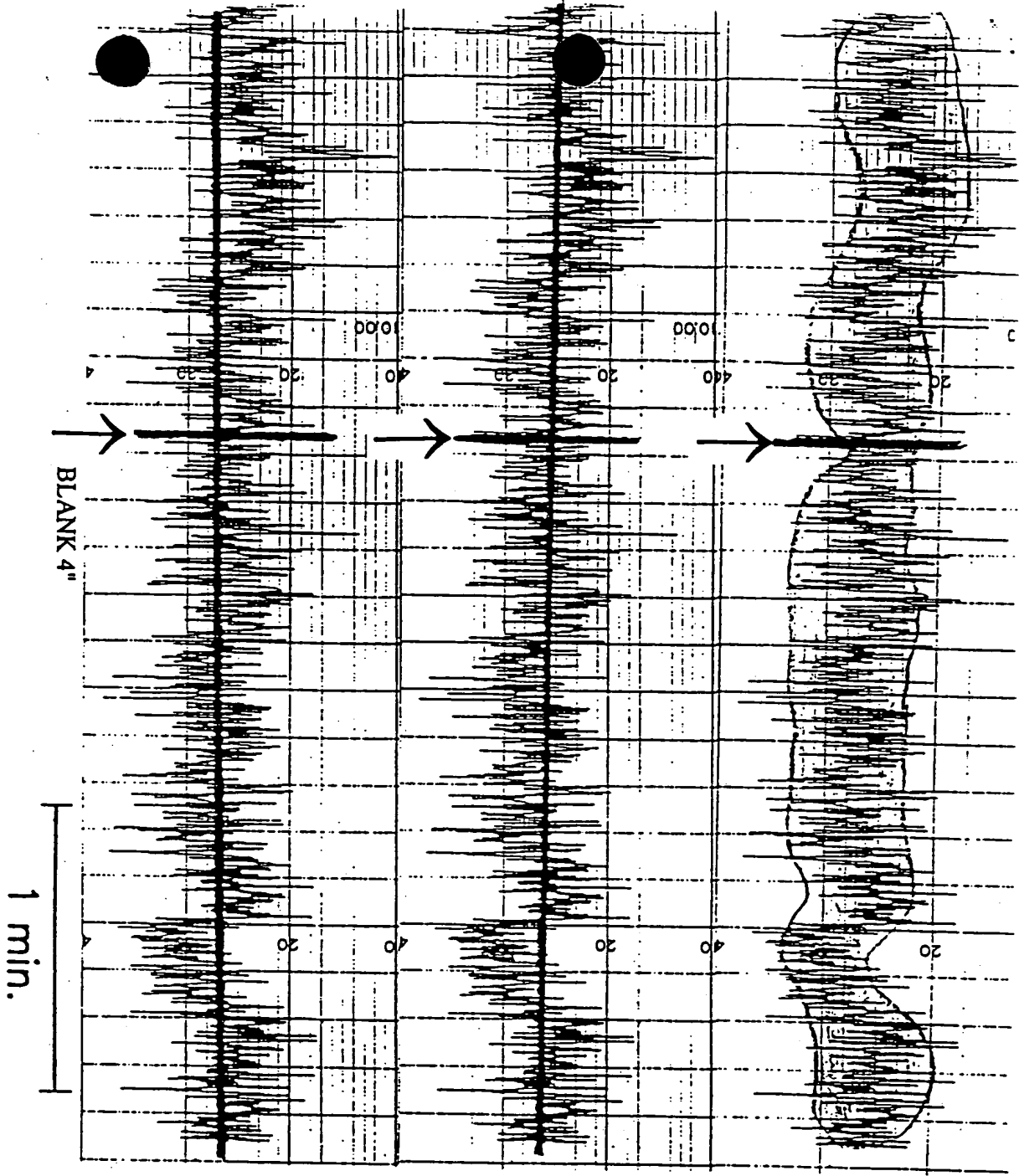
16 hrs

09493686 . 012800



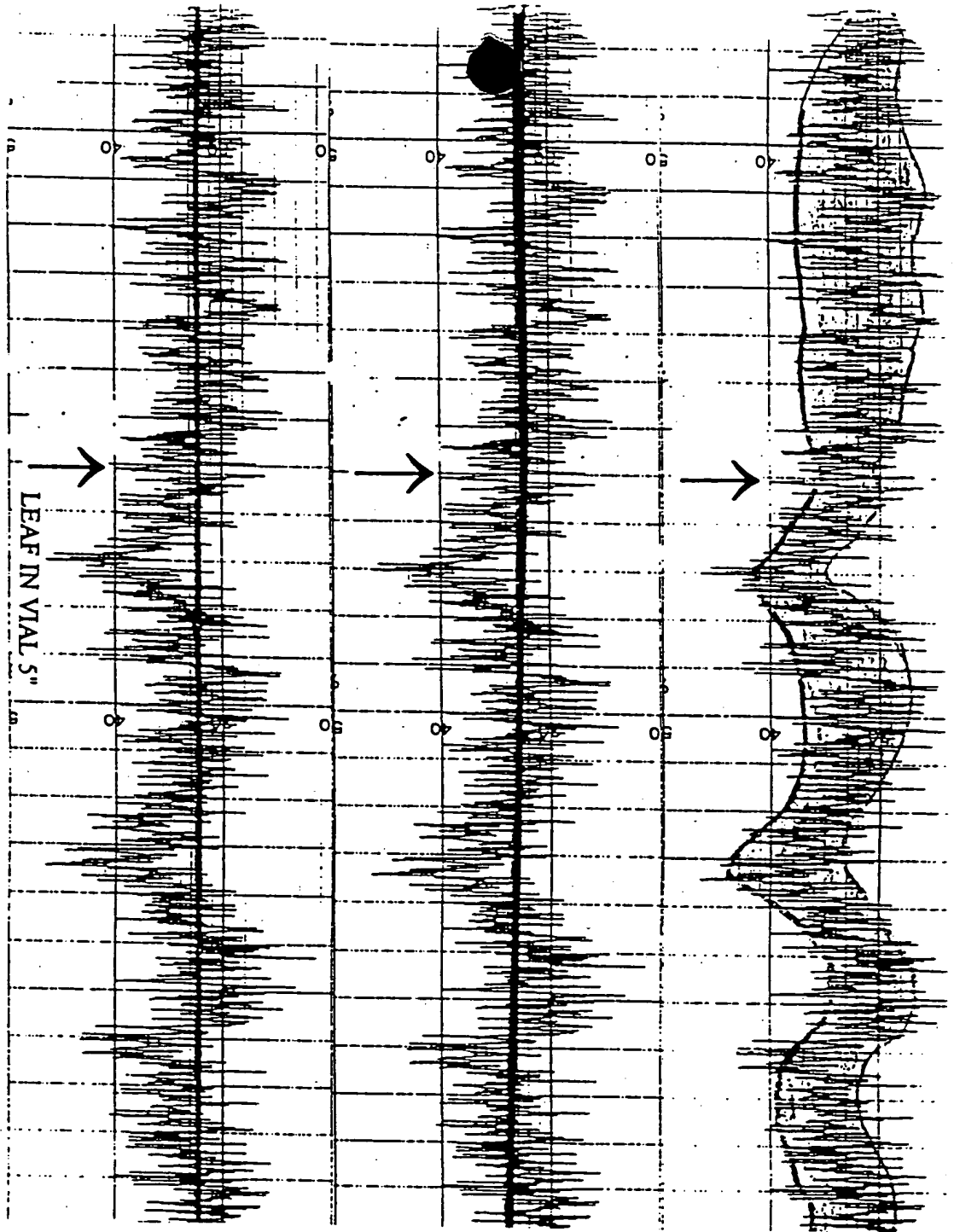
fn 46

09493686 . 012800



247
87

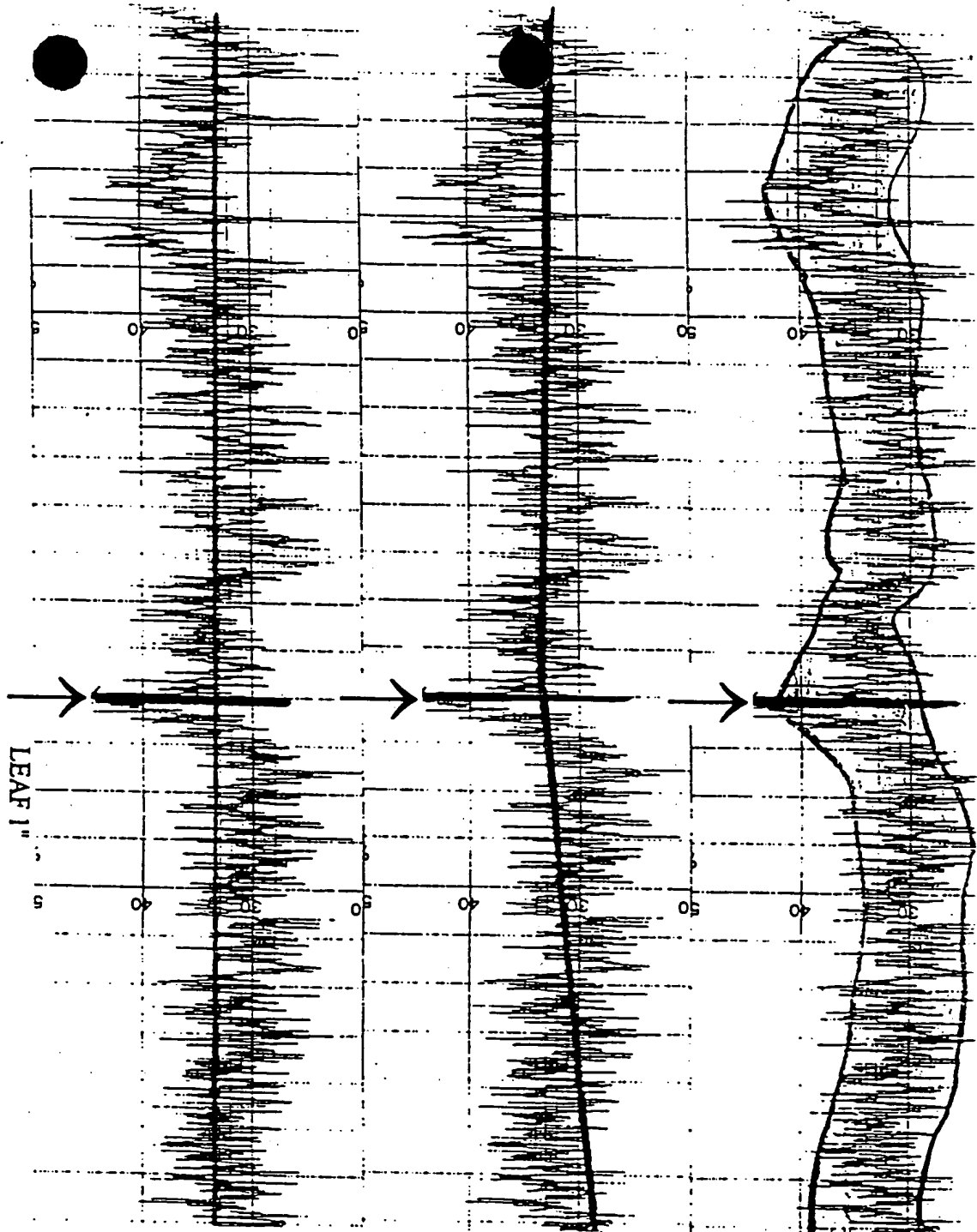
09493686.012800



248

09493686 . 012800

00493686 012800



24